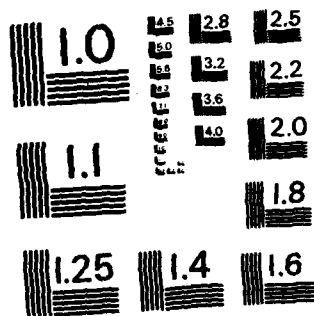


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PHILLIPS ABERDEEN MARYLAND REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. 03 NOV 83  
USAFETAC/DS-83/047 SBI-AD-E850 500 F/G 4/2

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REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

PHILLIPS/ABERDEEN MD  
N 39 28 W 76 10

ELEV 59 FT

NSO #721257  
AIG

PARTS A-F

HOURS SUMMARIZED:

0000Z - 2300Z

PERIOD OF RECORD:

HOURLY OBSERVATIONS: DEC 47 - NOV 57

SUMMARY OF DAY DATA: OCT 36 - NOV 57

TIME CONVERSION GMT TO LST: -5

07 NOV 1983

NOV 03 1983

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER	2 GOVT ACCESSION NO.	3 RECIPIENT'S CATALOG NUMBER
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4 TITLE (and Subtitle)		5 TYPE OF REPORT & PERIOD COVERED
Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Phillips, Aberdeen, Maryland		Final rept.
7 AUTHOR(s)		6 PERFORMING ORG. REPORT NUMBER
9 PERFORMING ORGANIZATION NAME AND ADDRESS		8 CONTRACT OR GRANT NUMBER(s)
USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		
11 CONTROLLING OFFICE NAME AND ADDRESS		10 PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBERS
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14 MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12 REPORT DATE
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17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18 SUPPLEMENTARY NOTES		
19 KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*RUSSWO	Daily temperature	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative humidity	*Climatological data	(over)
20 ABSTRACT (Continue on reverse side if necessary and identify by block number)		
This report is a six-part statistical summary of surface weather observations for Phillips, Aberdeen, Maryland		
It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

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1 JAN 73 1473

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* Phillips

\* Aberdeen

\* Maryland

USMD724057

20. and dew-point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurrence tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.



Accession For	
NTIS GRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

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ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CLOUDS VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT)		CALL SIGN		WIND DUMPS	
724057		Aberdeen MD/Phillips AAF		N 39 28		W 076 10		59		APG			
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	MT. BARD.					
1.	Aberdeen MD/Phillips Field	A	Oct 36	Jan 43	N 39 28	W 076 10	57 Ft	61 Ft	24				
2.	Aberdeen MD/Phillips AAF	AFB	Feb 43	Dec 57	N 39 28	W 076 10	59 Ft	63 Ft	24				
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
1.	Oct 36	N/A	N/A	N/A	N/A	Rain gauge ML-17 mounted in support ML-214, located 32 Ft S of SE corner of hangar Rain gauge ML-17 located on ground in front of hangar							
2.	Apr 53	1. Top of Hangar NE end 2. Located in station	Selsyn & AN/GMQ1	ML144-B	51 Ft								
3.	Dec 57	1. Same 2. Same	Same	Same	Same								

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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

72457  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02	.7	11.4	.4	4.0		15.7	16.3	7.0			22.1	903
	03-05	.1	11.8	.8	4.8		17.4	18.2	7.5	.3		25.4	903
	06-08	.3	12.8	.8	4.1		17.3	22.8	13.8	.1		34.0	912
	09-11	.8	11.4	.9	4.0		15.6	16.1	19.0			33.2	903
	12-14	.3	10.1	.6	2.9		13.3	10.9	13.4			23.9	903
	15-17	.4	8.5	.7	2.4		11.2	11.0	12.6			23.0	903
	18-20	.7	8.7	.2	3.2		12.2	11.3	9.5			20.6	903
	21-23	.2	10.5	.2	3.7		14.4	12.7	8.5			20.6	903
TOTALS		.4	10.7	.6	3.6		14.7	14.9	11.4	.1		25.4	7233

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57

YEARS

FEB  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02		10.2		2.4		12.6	16.0	5.4	.1		20.6	849
	03-05		11.8	.8	3.4		15.5	16.7	6.5	.2		22.7	849
	06-08		11.1	.7	2.2		13.9	24.0	15.1	.5		36.9	849
	09-11		11.2	.4	2.4		13.9	16.1	15.4	.4		30.5	849
	12-14		9.8	.6	1.9		12.0	11.0	11.5	.1		21.7	849
	15-17		9.2	.4	2.6		12.0	10.7	8.6			17.8	849
	18-20		10.0	.4	2.9		13.1	15.4	8.7			22.7	849
	21-23		9.0	.4	1.4		10.7	16.0	7.2	.4		22.5	848
TOTALS			10.3	.5	2.4		13.0	15.7	9.8	.2		24.4	6791



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## WEATHER CONDITIONS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

MAR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02		14.3	.3	2.4		16.1	14.6	2.0	.2		16.2	930
	03-05	.1	11.9	.6	3.3		15.9	16.7	3.8			19.6	930
	06-08		13.1	.8	3.0		16.6	21.3	11.2	.1		20.4	930
	09-11	.3	14.1	.2	3.7		17.5	14.3	9.6	.2		23.5	930
	12-14	.4	12.9		2.0	.1	15.1	10.3	6.0	.3		16.2	930
	15-17	.3	11.6		1.0		12.6	10.1	5.1	.3		14.7	930
	18-20	.6	12.4		1.0		13.2	13.7	4.0	.4		16.6	930
	21-23	.5	14.1		1.2		14.9	15.1	2.7	.2		16.8	930
TOTALS		.3	13.1	.2	2.2	.0	15.2	14.5	5.6	.2		19.1	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57

YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02	.3	14.4		.2		14.7	14.4	4.3			18.3	900
	03-05	.2	15.0				15.0	19.6	7.1			25.7	900
	06-08	.1	12.8		.1		12.9	19.6	10.9			28.8	900
	09-11	.1	13.8		.1		13.9	11.7	9.0			20.1	900
	12-14	.6	14.6		.2		14.6	8.2	6.6			14.4	900
	15-17	.9	11.4				11.4	7.2	4.6			11.6	900
	18-20	.4	12.9				12.9	8.9	5.3			13.9	900
	21-23	.6	12.1				12.1	10.9	4.1			14.4	900
TOTALS		.4	13.4		.1		13.4	12.6	6.5			18.4	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724757 STATION PHILLIPS/ABERDEEN MD 48-57 YEARS MAY MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02	1.7	13.3			.1	13.3	16.6	4.5			20.3	930
	03-05	1.2	12.3				12.3	27.7	7.4			33.0	930
	06-08	.2	12.0				12.0	22.6	14.1			34.7	930
	09-11	.2	8.9				8.9	11.2	10.8			21.4	930
	12-14	.9	9.8				9.8	5.2	12.3			17.3	930
	15-17	2.3	8.3				8.3	3.3	7.7			10.9	930
	18-20	3.1	11.4				11.4	7.4	6.5		.1	13.4	930
	21-23	2.2	12.7				12.7	10.2	5.5			15.2	930
TOTALS		1.5	11.1			.0	11.1	13.0	8.6		.0	20.8	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57

YEARS

JUN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02	1.1	6.3				6.3	14.7	6.6		.1	20.3	900
	03-05	.2	7.6				7.6	30.6	9.9			36.8	900
	06-08	.3	9.6				9.6	17.6	17.9			32.8	900
	09-11		8.6				8.6	5.8	13.7			19.1	900
	12-14	.6	7.1				7.1	2.9	8.3			11.1	900
	15-17	4.4	7.7			.1	7.7	2.6	5.4			8.0	900
	18-20	3.3	6.3				6.3	4.8	6.6			11.3	900
	21-23	1.4	6.8				6.8	6.9	6.6			13.1	900
TOTALS		1.4	7.5			.0	7.5	10.7	9.4		.0	19.1	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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## WEATHER CONDITIONS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57

YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02	1.6	5.2				5.2	13.2	8.1			21.2	930
	03-05	.1	3.4				3.4	27.2	11.7			35.2	930
	06-08	.1	4.0				4.0	14.3	20.8			31.7	937
	09-11	.4	4.9				4.9	2.2	14.1			16.0	930
	12-14	1.6	5.7				5.7	1.2	11.4			12.6	930
	15-17	4.4	6.0				6.0	1.4	7.5			8.9	930
	18-20	3.0	4.9				4.9	3.7	10.3		.1	13.8	930
	21-23	1.5	6.0				6.0	7.1	9.8			16.5	930
TOTALS		1.6	5.0				5.0	8.8	11.7		.0	19.5	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

46-57

YEARS

AUG  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00-02	1.2	6.6				6.6	17.6	8.5			25.2	930
	03-05	.5	7.1				7.1	28.7	10.9			37.3	930
	06-08	.2	8.9				8.9	27.3	17.1			42.4	930
	09-11	.6	7.1				7.1	7.0	15.4			22.0	930
	12-14	.8	5.2				5.2	2.0	11.2			13.2	930
	15-17	2.3	5.2				5.2	1.9	9.5			11.4	930
	18-20	3.9	6.7				6.7	3.8	13.0			16.3	930
	21-23	2.2	7.1				7.1	7.3	11.6			19.4	930
TOTALS		1.5	6.7				6.7	12.0	12.2			23.3	7990

GLCBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATP WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

SEP  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02	.2	7.8				7.8	17.8	5.0			22.1	900
	03-05	.4	8.3				8.3	27.4	5.3			32.0	900
	06-08	.1	6.1				6.1	26.4	16.2			40.3	900
	09-11	.3	6.0				6.0	5.9	16.4			21.3	900
	12-14	.6	6.2				6.2	2.7	11.3			13.6	900
	15-17	1.3	5.9				5.9	2.9	8.7			11.2	900
	18-20	2.2	6.8				6.8	5.4	9.8			15.0	900
	21-23	.8	7.0				7.0	9.8	7.1			16.6	900
TOTALS		.7	6.6				6.8	12.3	10.0			21.5	7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

46-57

YEARS

OCT  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIR	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02	.3	6.0		.1		6.1	18.5	6.3			24.1	930
	03-05	.4	7.5		.2		7.7	28.2	8.7			35.5	930
	06-08	.1	8.1		.1		8.2	33.0	13.8			43.0	930
	09-11		7.2				7.2	10.6	15.6			25.5	930
	12-14	.1	8.0				8.0	4.0	10.1			14.1	930
	15-17	.2	6.8				6.8	2.8	8.8			11.5	930
	18-20	.8	7.5				7.5	5.7	9.5			14.6	930
	21-23		6.6				6.6	12.6	9.0			20.5	930
TOTALS		.2	7.2		.1		7.3	14.4	16.2			23.6	7440



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57

YEARS

NOV  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02	.3	9.8		1.1		10.9	17.2	7.3	.3		23.3	900
	03-05	.1	9.6		1.0		10.6	19.6	9.4	.3		26.8	900
	06-08		8.7		1.2		9.8	25.9	15.9	.2		36.3	900
	09-11		9.3		1.4		10.2	13.1	16.0			26.4	900
	12-14	.2	8.1	.1	1.3		9.3	8.0	10.3			17.3	900
	15-17	.1	9.9		.7		10.6	7.9	10.8			17.3	900
	18-20	.1	9.1		.9		10.1	10.7	9.1			18.3	898
	21-23		9.7		1.1		10.8	12.3	9.1	.3		20.8	897
TOTALS		.1	9.3	.0	1.1		10.3	14.3	11.0	.1		23.3	7195

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

47-56

YEARS

DEC  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02		10.4	.3	1.1		11.8	17.1	7.5			23.6	906
	03-05		7.7	.6	1.1		9.4	18.3	9.4			25.4	906
	06-08		9.2	.3	1.8		11.2	23.5	15.9			35.8	914
	09-11		10.2	.6	1.8		12.1	17.2	18.5			33.4	906
	12-14		8.6	.4	1.5		10.3	10.0	11.7			21.4	906
	15-17		10.9	.3	2.5		13.4	10.3	10.2			19.6	906
	18-20		11.6	.3	1.2		13.0	11.3	9.2			19.8	906
	21-23		12.0	.2	1.3		13.6	11.9	9.2			20.2	906
TOTALS			10.1	.4	1.5		11.9	15.0	11.5			24.9	7256

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

724057 PHILLIPS/ABERDEEN MD 47-57 ALL  
STATION STATION NAME YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.4	10.7	.6	3.6		14.7	14.9	11.4	.1		25.4	7233
FEB			10.3	.5	2.4		13.0	15.7	9.8	.2		24.4	6791
MAR		.3	13.1	.2	2.2	.0	15.2	14.5	5.6	.2		19.1	7440
APR		.4	13.4		.1		13.4	12.6	6.5			18.4	7200
MAY		1.5	11.1			.0	11.1	13.0	8.6		.0	20.8	7440
JUN		1.4	7.5			.0	7.5	10.7	9.4		.0	19.1	7200
JUL		1.6	5.0				5.0	8.8	11.7		.0	19.5	7440
AUG		1.5	6.7				6.7	12.0	12.2			23.3	7440
SEP		.7	6.8				6.8	12.3	10.0			21.5	7200
OCT		.2	7.2		.1		7.3	14.4	10.2			23.6	7440
NOV		.1	9.3	.0	1.1		10.3	14.3	11.0	.1		23.3	7195
DEC			10.1	.4	1.5		11.9	15.0	11.5			24.9	7256
TOTALS		.7	9.3	.1	.9	.0	10.2	13.2	9.8	.1	.0	21.9	87275

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WMAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $\frac{3}{8}$  mile.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

XX WEATHER CONDITIONS  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

46-57

YEARS

ALL  
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY	.3	40.9	1.4	17.4		47.9	42.7	49.3	.3		62.5	363
FEB		.3	39.4	1.2	11.9	.3	39.5	37.7	41.8	1.8		54.3	337
MAR		4.8	46.6	1.1	12.9	.3	48.4	36.6	32.3	1.1		47.3	372
APR		7.2	53.7		1.4	.3	48.3	41.9	39.2			55.6	360
MAY		19.9	54.7			.8	52.6	50.7	43.9			58.2	371
JUN		17.5	40.7			.3	39.2	49.2	50.6			61.9	360
JUL		17.8	39.8				36.7	46.3	48.5			62.5	365
AUG		16.3	40.9			.3	37.0	51.4	56.6			68.5	362
SEP		8.8	39.3				35.8	49.7	47.7		.3	61.9	352
OCT		2.5	33.9		.8		32.3	50.6	48.1		.3	61.3	362
NOV		1.7	34.9	.6	6.0		38.0	45.7	48.0	.6		62.0	350
DEC			36.7	1.5	11.7		38.4	44.1	48.3			64.0	333
TOTALS		6.1	41.8	.5	5.2	.2	41.2	45.5	46.2	.3	.0	60.0	4287

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

72405 STATION PHILLIPS/ABERDEEN MD STATION NAME 59-57 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS INCHES		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	50.8	15.5	2.6	6.4	4.6	8.4	6.6	3.6	1.6					33.7	549	2.75	6.4	0.0
FEB	59.3	13.2	2.0	3.3	3.7	5.1	7.1	4.7	1.0					27.0	508	2.00	7.1	0.0
MAR	50.1	15.3	1.9	5.3	3.2	6.5	6.5	6.6	2.7					34.6	589	2.40	6.5	0.0
APR	48.8	17.9	2.6	6.0	4.4	7.4	5.6	4.9	2.5					33.3	57	2.44	7.4	0.0
MAY	47.9	14.4	3.2	6.0	4.9	7.1	5.3	5.9	3.1	.2				37.7	544	3.00	7.1	0.0
JUN	56.9	12.1	2.8	5.3	3.5	5.4	5.4	5.3	3.2					30.9	564	2.44	5.4	0.0
JUL	56.8	13.9	2.2	4.8	3.8	5.5	3.9	4.6	2.1	.2				27.3	563	2.44	4.6	0.0
AUG	62.2	10.2	1.2	4.0	3.8	5.9	5.4	4.1	2.0	.3				27.6	576	2.44	4.1	0.0
SEP	63.9	11.4	1.2	3.6	3.6	5.2	4.8	3.9	2.1	.4				24.7	562	2.44	3.9	0.0
OCT	63.0	12.9	2.6	4.0	2.8	3.8	4.8	4.1	2.1					24.1	561	2.44	4.1	0.0
NOV	58.9	13.2	2.1	5.9	1.4	5.4	6.3	4.1	2.3	.2	.2			27.9	560	2.44	6.3	0.0
DEC	58.9	10.7	2.2	5.5	3.3	7.3	5.6	4.4	2.2					30.4	560	2.44	7.3	0.0
ANNUAL	56.6	13.4	2.2	5.2	3.6	6.2	5.6	4.7	2.3	.1	.0			29.4	6789	2.44	6.2	0.0



GLOBAL CLIMATOLOGY BRANCH  
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# EXTREME VALUES

## PRECIPITATION

FROM DAILY OBSERVATIONS

724057 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

39-57

YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
39			.75	1.77	1.83	1.16	.69	2.24	.72	1.08	.27	.85	
40	.83	.38	1.48	2.10	.88	.55	1.24	1.12	.78	.63	1.18	1.01	2.10
41	1.18	.70	.98	.66	.74	1.52	1.14	1.25	.09	.74	1.00	2.6	2.06
42	1.65	.88	1.26	.74	.76	.90	1.85	1.72	1.15	1.80	.92	.75	1.85
43	.92	.41	1.06	1.30	1.78	1.04	1.00	.76	.28	2.12	1.79	1.34	2.12
44	1.24	.42	1.01	1.11	1.22	.97	.92	1.69	1.93	.87	2.15	.69	3.93
45	.98	.78	.40	.92	.81	1.88	1.69	1.38	1.72	.47	1.20	1.53	1.58
46	.28*	.92	.62	.71	1.05	1.34	3.29	1.29	1.91	.70	.57	1.00	1.09
47	.62	.09	.46	1.30	1.13	1.11*	.26*	.51*	.69*	.87*	2.20*	.92	.27
48	* 1.97	.76	.87	1.60	1.63	1.24	1.98	1.44	1.62	.86	1.40	1.77	* 1.97
49	1.66	.59	1.23	.79	1.24	.22	1.86	1.13	1.28	1.69	.31	.72	1.86
50	.39	.84	1.39	.20	1.51*	.91	.63	1.29	2.09	1.49	2.41	1.72	2.41
51	.77	1.07	1.10	.88	1.30	1.65	1.98	.56	.45	.78	1.40	1.16	1.98
52	1.24	.74	1.34	1.77	2.78	.70	1.92	.83	1.99	.58	2.79	.79	2.79
53	1.50	1.10	1.44	.98	1.14	1.19	1.35	.85	.97	1.70	.7	1.15	1.70
54	.37	.17	1.17	.66	1.18	1.40	.80	1.43	.56	.92	.75	.87	1.43
55	.16	1.04	1.22	1.34	.57	2.23	.81	4.59	.4	.76	.47	.16	4.59
56	.44	.82	1.59	.70	.76	1.03	1.14	2.70	1.03	1.07	4.79	1.7	5.79
57	.41	.56	1.03	1.16	1.45	.99	.51	1.17	1.73	.87	.59		
MEAN	.862	.668	1.074	1.099	1.251	1.171	1.349	1.467	1.354	1.047	1.430	1.054	2.622
S.D.	.490	.298	.335	.501	.517	.470	.661	.894	1.029	.496	1.299	.418	1.318
TOTAL OBS	549	508	589	570	589	569	583	579	562	581	560	550	6789

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

**EXTREME VALUES**  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
MONTHLY PRECIPITATION

~~724057~~ ~~PHILLIPS/ABERDEEN MD~~  
STATION STATION NAME

39-57

YEARS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
39			3.42	5.03	1.91	3.82	1.72	3.97	2.63	4.38	.33	2.47	
40	1.22	2.03	3.52	6.83	3.62	1.60	2.25	5.34	1.47	2.25	5.14	2.98	38.25
41	3.16	1.57	1.80	2.03	2.56	5.36	4.38	2.71	.09	1.31	1.59	2.94	29.50
42	3.74	2.55	5.67	.85	1.79	2.49	6.20	4.46	2.25	5.09	2.75	3.44	41.28
43	2.06	1.26	4.84	2.97	5.34	3.34	2.54	1.29	.90	5.46	3.21	1.57	34.78
44	2.55	.90	6.20	3.63	3.13	3.42	2.84	2.45	6.40	1.87	4.38	2.20	39.97
45	2.45	2.93	.84	3.16	4.18	5.30	5.63	3.57	5.74	1.18	3.68	4.79	43.45
46	1.23*	2.29	2.31	1.75	6.68	2.93	4.98	2.76	4.23	2.40	1.13	2.05	*34.69
47	2.91	.29	1.86	3.00	4.82	3.23*	.72*	.70*	2.53*	.91*	4.37*	1.68	*27.02
48	* 3.99	2.39	3.97	3.70	7.17	4.72	2.47	4.59	2.82	1.63	5.33	5.55	*48.33
49	5.69	3.51	3.09	2.83	4.72	.36	3.74	3.07	3.51	4.37	.98	2.72	38.59
50	1.42	3.31	5.19	.77	6.06*	2.71	1.84	4.30	6.73	2.78	3.25	2.62	*40.98
51	2.88	3.32	3.62	2.23	2.58	5.57	4.20	1.08	1.08	2.25	5.13	4.19	38.03
52	5.61	2.07	4.32	7.24	4.72	2.91	3.40	2.53	3.18	.96	5.32	3.65	45.91
53	5.46	2.50	5.07	4.58	4.66	2.51	2.37	1.62	1.68	3.00	1.98	3.35	38.74
54	1.55	.53	3.62	1.82	2.69	1.55	2.36	4.83	1.71	2.61	2.91	2.86	29.04
55	.60	2.94	4.75	3.46	1.98	6.37	1.08	12.96	1.21	2.44	.92	.21	38.92
56	1.83	3.92	5.01	2.53	1.99	2.67	4.82	4.42	3.26	3.15	9.12	3.94	46.66
57	2.31	3.01	3.05	3.19	2.53	4.50	1.02	2.31	6.03	2.56	2.60		
MEAN	2.745	2.296	3.797	3.242	3.849	3.481	3.213	3.792	3.062	2.761	3.318	3.025	38.705
S D	1.571	1.074	1.427	1.726	1.687	1.592	1.536	2.612	2.631	1.303	2.180	1.235	5.325
TOTAL OBS	549	508	589	570	589	569	583	579	562	581	560	550	6789

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

CLIMAT CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

7045  
STATION

PHILLIPS/ABERDEEN MO  
STATION NAME

46-57

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	80.4	9.9	2.2	3.6	1.7	1.4	.8							9.6	363	4.5	11.3	TRACE
FEB	87.0	5.6	2.4	2.4	1.2	.6	.3	.3	.3					7.4	338	3.4	14.3	.0
MAR	87.4	8.6	1.3	1.1	.8	.3	.5							4.0	372	1.8	7.6	.0
APR	98.9	.8	.3											.3	360	TRACE	.1	.0
MAY	100.0														372	.0	.0	.0
JUN	100.0														360	.0	.0	.0
JUL	100.0														341	.0	.0	.0
AUG	100.0														362	.0	.0	.0
SEP	100.0														352	.0	.0	.0
OCT	99.2	.8													364	TRACE	TRACE	.0
NOV	93.7	4.6		.9	.3		.3	.3						1.7	350	1.3	8.5	.0
DEC	86.7	9.9	1.8	.9			.3		.3					3.3	332	1.0	7.0	TRACE
ANNUAL	94.4	3.3	.7	.7	.3	.2	.2	.0	.0					2.2	4266	12.0		

USAFETAC FORM 0-15.5 (OL A)  
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

## EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

724357 PHILLIPS/ABERDEEN MD  
STATION

46-57

YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	1.6*	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.6
47	3.2	4.2	1.8	.0	.0	.0	.*	.0*	.0*	.0*	.0*	4.2	
48	* 1.4	8.5	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	7.0	9.5
49	3.0	.0	TRACE	.0	.0	.0	.0	.1	.1	.0	TRACE	TRACE	3.2
50	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	TRACE	1.0
51	.2	.4	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.5	.5
52	4.0	TRACE	3.5	.0	.0	.0	.0	.0	.0	TRACE	2.4	1.0	4.0
53	2.9	.9	4.0	.0	.0	.0	.0	.0	.0	.0	4.5	TRACE	4.5
54	3.9	1.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.4	3.9
55	1.0	3.0	2.3	.0	.0	.0	.0	.0	.0	.0	1.0	TRACE	3.0
56	1.4	.6	2.9	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.9
57	1.2	.5	.1	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE		
MEAN	2.15	1.79	1.22	.01	.00	.00	.00	.00	.00	TRACE	.81	.95	2.85
S D	1.444	2.662	1.579	.028	.000	.000	.000	.000	.000	.000	1.443	2.154	1.921
TOTAL OBS	363	338	372	360	372	360	341	362	352	364	350	332	4266

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OEA)

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

724057 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

46-57

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	2.2*	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	* 4.7
47	8.2	12.0	3.0	.0	.0	.0	.0*	.0*	.0*	.0*	.0*	4.2	
48	* 3.0	14.3	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	7.0	* 24.3
49	4.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.2
50	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	TRACE	1.0
51	.2	.4	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.6	1.2
52	4.0	TRACE	4.1	.0	.0	.0	.0	.0	.0	TRACE	3.3	1.0	12.4
53	5.7	.9	4.0	.0	.0	.0	.0	.0	.0	.0	8.5	TRACE	19.1
54	11.3	1.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.6	13.0
55	2.5	7.0	2.4	.0	.0	.0	.0	.0	.0	.0	1.0	TRACE	12.9
56	2.0	.6	7.6	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	10.3
57	9.2	1.0	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	
MEAN	4.55	3.39	1.77	.01	.00	.00	.00	.00	.00	TRACE	1.25	1.02	9.24
SD	3.793	5.240	2.484	.028	.000	.000	.000	.000	.000	.000	2.604	2.143	6.501
TOTAL OBS	363	338	372	360	372	360	341	362	352	364	350	332	4266

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIF WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

76405 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

36-57

YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	2001-5000	OVER 5000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	76.2	6.3	6.6	3.3	3.8	3.6	.2							17.5	635				
FEB	61.6	7.0	3.6	3.1	1.5	1.5	1.7							11.4	597				
MAR	92.7	3.4	1.1	1.4	.9	.5								3.9	647				
APR	99.2	.6	.2											.2	630				
MAY	100.0															651			
JUN	100.0															630			
JUL	100.0															645			
AUG	100.0															620			
SEP	100.0															600			
OCT	100.0															671			
NOV	98.1	1.2	.3		.2		.2							.6	648				
DEC	89.5	2.5	3.0	2.0	1.3	1.1	.6							8.0	640				
ANNUAL	94.8	1.7	1.2	.8	.6	.6	.2							3.5	7604				

USAF/TAC FORM 0-15-5 (OL A)  
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

724757 PHILLIPS/AHERDEEN MD  
STATION STATION NAME

36-57  
YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
36													
37		Q*TRACE*TRACE		Q	Q	Q	Q	Q	Q	Q	Q	Q	*TRACE
38		TRACE TRACE TRACE		Q	Q	Q	Q	Q	Q	Q*	Q	Q	TRACE
39		*TRACE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
40		3	3	Q	1	Q	Q	Q	Q	Q	Q	Q	
41		5	3	5	Q	Q	Q	Q	Q	Q	Q	Q	
42		2	TRACE	3	Q	Q	Q	Q	Q	Q	Q	Q	
43		4	2	3	Q	Q	Q	Q	Q	Q	TRACE	Q	
44		3	2	2	TRACE	Q	Q	Q	Q	Q	Q	Q	
45		5	5	Q	Q	Q	Q	Q	Q	Q	Q	Q	
46		1	7*	Q	Q	Q	Q	Q	Q	Q	Q	Q	
47		1	8	2	Q	Q	Q*	Q	Q	*	Q*	Q*	
48	*	6	10	Q	Q	Q	Q	Q	Q	Q	Q	Q	10
49		3	4	1	Q	Q	Q	Q	Q	Q	Q	Q	
50		TRACE	Q	Q	Q	Q	Q	Q	Q	Q	TRACE	TRACE	TRACE
51		TRACE	1	TRACE	Q	Q	Q	Q	Q	Q	Q	Q	2
52		2	Q	4	Q	Q	Q	Q	Q	Q	TRACE	TRACE	
53		3	TRACE	TRACE	Q	Q	Q	Q	Q	Q	Q	Q	
54		8	1	TRACE	TRACE	Q	Q	Q	Q	Q	Q	TRACE	
55		3	3	1	Q	Q	Q	Q	Q	Q	Q	Q	
56		5	Q	4	Q	Q	Q	Q	Q	Q	Q	TRACE	
57		5	3	Q	Q	Q	Q	Q	Q	Q	Q	Q	
MEAN	2.8	2.6	1.3	.Q	.Q	.Q	.Q	.Q	.Q	.Q	.5	1.3	9.9
S D	2.200	2.949	1.701	.218	.000	.000	.000	.000	.000	.000	2.012	2.250	2.499
TOTAL OBS	640	591	647	630	651	630	645	620	600	671	648	641	7619

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.



## EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

724057 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

46-57

YEARS

## DAILY PEAK GUSTS IN KNOTS

[illegible]

NOTES \* (BASED ON LESS THAN FULL MONTHS)

OSAF ETAC FORM 0-88-5 (OLA)

2 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

40-57  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	2.0	1.0	.4							6.0	8.2
NNE	1.1	1.9	.8	.9	.8							5.4	8.3
NE	1.1	1.2	2.1	.4		.1						5.0	6.9
ENE	2.1	2.0	1.3	.8	.2							6.4	6.4
E	1.4	1.8	1.3	.3								4.9	5.8
ESE	.6	.1	.1									.8	3.3
SE	.9	.6	.3									1.8	4.1
SSE		.1	.3	.2								.7	8.8
S	.7	.6	.7									1.9	5.8
SSW	.7	1.1	1.3	1.2	.4	.3						5.1	10.2
SW	.3	1.7	2.1	.8	.2							5.5	7.7
WSW	.6	1.7	.7	.2								3.1	5.7
W	1.7	1.8	1.6	.4								5.4	5.7
WNW	.8	2.2	1.9	1.0	.9							6.3	8.7
NW	1.1	2.8	1.8	2.1	1.3							9.1	9.4
NNW	.9	2.1	3.3	2.3	1.0	.6						10.2	10.3
VARBL													
CALM												22.0	
	15.3	23.0	21.6	11.7	5.3	1.0						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

903

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MD 48-57 JAS  
STATION NAME STATION NAME YEARS MONTHS  
ALL WEATHER CLASS 100-0500 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.2	2.5	1.0	.4	.4						7.6	8.7
NNE	.9	1.3	1.1	.8	.4							4.5	8.1
NE	.9	1.7	2.4	1.0								6.1	7.7
ENE	.7	2.0	2.7	.7	.2							6.2	7.5
E	1.0	1.9	1.3	.1								4.2	5.5
ESE	.2	.2	.1	.2								.8	7.1
SE	.7	.2	.1									1.0	3.7
SSE	.1	.2		.1								.4	6.8
S	.7	.6	.4	.3								2.0	6.1
SSW	.3	.4	1.1	1.0	.8	.3						4.0	12.0
SW	1.2	1.6	.9	1.6	.1							5.3	7.6
WSW	1.0	1.9	.7	.6								4.1	6.5
W	1.8	2.4	2.1	.4								6.8	6.0
WNW	.8	2.5	2.3	.7	.1							6.4	7.1
NW	1.7	2.1	2.4	3.2	.3	.4						10.2	9.7
NNW	1.1	2.1	2.9	2.2	1.3	.2						9.9	10.1
VARBL													
CALM												20.6	
	14.0	23.3	23.1	13.8	3.8	1.4						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 523

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD 45-57 YEARS JAN MONTH  
ALL WEATHER CLASS 0600-0600 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.2	1.9	1.1	.6	.1						7.2	8.2
NNE	.2	1.9	2.1	.7	.4							5.9	7.8
NE	1.3	1.9	1.6	.7								5.4	6.2
ENE	.0	1.4	1.3	1.7	.2	.1						5.7	8.8
E	.5	1.3	.8	.4								3.1	6.5
ESE	.1	.1	.1									.3	5.3
SE	.4	.6	.1									1.1	4.4
SSE	.1	.1	.2									.4	5.8
S	.2	1.3	.3	.2								2.1	6.1
SSW	.5	.5	1.1	1.0	.9	.1						4.7	10.1
SW	1.3	.7	2.0	1.4	.4							5.9	8.5
WSW	.7	2.8	1.4	.2								5.1	6.0
W	1.7	1.6	2.0	.3	.2							5.3	6.1
WNW	1.7	2.0	1.3	1.0	.2	.2	.1					5.9	8.5
NW	1.3	2.0	3.3	2.0	.9	.3						9.9	9.4
NNW	1.3	1.7	2.9	2.7	1.7	.1						10.3	10.5
VARBL													
CALM												11.3	
	13.0	22.3	22.5	13.4	5.5	1.0	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 972

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724257  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

40-57  
YEARS

JAN  
MONTH

ALL WEATHERED  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.7	2.1	1.6	.9	.1						7.2	9.5
NNE	.3	.6	1.2	1.2	.1							3.5	7.8
NE	.7	1.1	1.2	.8		.1	.1					4.2	8.7
ENE	1.0	1.2	2.1	2.7	.3							6.6	9.0
E	.3	1.3	1.0	.4								3.1	7.4
ESE		.4	.2									.7	5.5
SE	.3	.4	.1	.1								1.2	5.3
SSE	.2	.2	.6	.2								1.2	7.1
S	.3	.4	.7									1.4	5.8
SSW	.5	1.1	1.8	1.9	.9	.1						6.3	10.8
SW	1.4	1.6	2.1	1.7	.2							7.2	8.3
WSW	.8	1.1	1.4	.7								4.0	7.6
W	1.2	1.6	1.1	.7	.4							5.0	7.5
WNW	.3	2.0	2.1	1.7	1.1	.3	.2					7.8	11.4
NW	1.2	1.3	2.5	3.0	1.8	.9						12.7	11.7
NNW	.8	.9	4.8	5.0	2.9	1.1						15.4	12.7
VARBL													
CALM												15.1	
	11.1	15.3	25.0	20.8	8.6	2.7	.4					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

903

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

72457  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	1.3	2.6	1.0	.1						5.4	11.8
NNE	.3	.2	1.1	1.3	.2	.1						3.3	10.5
NE	.3	.3	.9	1.1	.1	.2	.1					5.1	11.6
ENE	.8	1.7	2.2	.7								5.3	7.1
E	.3	1.4	1.0	.3								3.5	6.6
ESE	.1	.1	.3	.3								.9	9.5
SE	.6	.4	.1									1.3	3.8
SSE	.1	.2	.1		.1							.6	7.8
S	.4	1.3	1.4	.6	.1							3.9	7.5
SSW	1.7	2.0	3.8	2.2	1.6	.2						10.7	10.1
SW	.6	1.7	3.0	2.3	.4							8.3	9.2
WSW	.4	2.2	1.4	.2								4.3	6.2
W	.3	1.7	1.0	1.2	.1	.1						3.5	9.4
WNW	.6	1.4	1.6	2.2	1.4	.3						7.5	11.5
NW	.5	2.2	4.3	4.2	2.4	1.2	.1					15.1	12.1
NNW	.2	1.1	3.4	5.4	3.4	1.4	.3					15.4	14.1
VARBL													
CALM												7.5	
	8.1	17.9	27.0	24.1	11.0	3.8	.6					170.0	9.4

TOTAL NUMBER OF OBSERVATIONS

403

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724057  
STATION

PHILLIPS/ABSEDEEN MD  
STATION NAME

49-57  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	N	MEAN WIND SPEED
N	.1	1.2	2.8	1.0	.4							6.4	9.8
NNE	.1	.3	.7	.6								1.7	9.1
NE	.3	.2	1.2	.6	.7							3.7	9.7
ENE	.1	1.6	1.3	.6								3.5	7.8
E	1.7	1.2	1.5	.7								3.9	6.7
ESE	.4	.3	.3	.8								1.9	6.4
SE	.8	.9	.4									2.1	4.8
SSE	1.2	.7	.1		.1							2.1	4.4
S	1.4	1.6	1.4	.6								5.3	6.3
SSW	1.7	2.5	2.9	3.0	.2							10.0	6.4
SW	2.1	1.3	1.8	.4	.3							6.0	6.6
WSW	.8	1.1	1.0	.4								3.3	6.5
W	.9	.7	1.0	.6	.2							3.2	6.1
WNW	1.2	1.7	3.2	1.7	1.8	.2						9.3	10.4
NW	1.1	1.9	4.0	3.5	1.8	.3						12.6	10.7
NNW	.2	1.3	4.2	3.4	2.2	.6						12.2	12.5
VARBL													
CALM												12.6	
	13.1	16.7	27.6	18.9	7.8	1.3						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

903

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

774057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1900-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.2	2.1	1.2	.8	.3						6.5	10.2
NNE	.6	1.7	1.3	.7								4.2	7.3
NE	1.3	1.2	1.2	.9	.1							4.8	7.2
ENE	.2	1.3	.7	.7	.6							3.4	9.5
E	1.7	1.7	.7	.1								3.4	5.6
ESE		.3	.4	.4								1.2	9.5
SE	.9	.6	.7									2.1	5.0
SSE	1.1	.4	.4	.1								2.1	4.8
S	.6	.6	1.4	.4	.1							3.1	6.3
SSW	1.1	1.3	1.6	1.0	.8							5.3	8.9
SW	1.2	1.6	1.3	.1	.2							4.4	6.0
WSW	2.4	1.0	.3	.2	.1							5.0	4.6
W	1.4	1.6	.6	.4								4.0	5.8
WNW	.5	1.3	2.5	2.2	.7	.1						7.4	9.8
NW	1.0	3.5	3.2	2.5	1.2	.1						11.6	9.4
NNW	1.1	1.6	1.8	1.7	.8	.3						7.2	10.1
VARBL													
CALM												23.7	
	15.4	21.7	20.3	12.7	5.3	.9						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

903



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724057 PHILLIPS/ABERDEEN MD 48-57 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	2.1	.7	.7	.7						5.2	10.3
NNE	.7	1.8	.9	1.0								4.3	7.2
NE	1.8	1.9	1.4	1.2	.3							6.6	7.3
ENE	.9	.9	1.2	1.0	.6							4.3	9.1
E	1.3	2.5	.9	.2	.1							5.1	5.7
ESE	.1	.4	.6	.2								1.3	7.6
SE	.2	.2	.4									.9	6.0
SSE	.6	.3	.4									1.3	5.5
S	.6	.2	1.0	.9								2.7	8.4
SSW	.6	.9	1.4	.8	.7	.3						4.5	10.7
SW	1.2	1.6	2.3	.4	.3							5.2	7.2
WSW	1.0	1.6	.8	.2	.1							3.7	5.8
W	1.1	1.8	.7	.3								3.9	5.4
WNW	.9	2.3	2.1	1.3	.4							7.1	8.3
NW	1.4	2.4	3.7	2.3	1.3							11.2	9.2
NNW	1.7	1.7	2.9	2.3	1.2	.2						9.3	10.3
VARBL													
CALM												22.0	
	14.0	21.3	22.8	13.0	5.8	1.2						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 903

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

43-57  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L E Y)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.4	2.1	1.3	.7	.2						6.5	9.5
NNE	.6	1.2	1.2	.9	.2	.2	.2					4.1	5.4
NE	1.0	1.3	1.5	.8	.2	.1	.2					4.8	7.9
ENE	.9	1.5	1.6	1.0	.3	.2						5.2	8.0
E	.9	1.6	1.8	.3	.0							3.9	6.2
ESE	.2	.3	.3	.2								1.0	7.5
SE	.6	.5	.3	.0								1.4	4.6
SSE	.4	.3	.3	.1	.0							1.1	5.8
S	.6	.8	.9	.4	.0							2.6	6.9
SSW	.8	1.3	1.9	1.5	.8	.2						6.4	9.9
SW	1.3	1.4	1.9	1.1	.3							6.0	7.8
WSW	1.0	1.8	1.0	.3	.0							4.1	6.1
W	1.2	1.5	1.2	.6	.1	.0						4.7	6.6
WNW	.8	1.9	2.1	1.5	.8	.2	.0					7.3	9.6
NW	1.2	2.3	3.2	2.9	1.4	.4	.0					11.3	10.3
NNW	.8	1.6	3.3	3.1	1.8	.6	.0					11.2	11.6
VARBL													
CALM												18.1	
	13.1	20.6	23.7	16.1	6.6	1.7	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 7223

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724257 STATION PHILLIPS/ABERDEEN MD STATION NAME 48-57 YEARS FEB MONTHS  
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.1	1.5	.8	.5							7.5	6.5
NNE	.8	2.5	1.8	.5								5.5	6.3
NE	1.6	2.7	.5	.5								4.6	5.0
ENE	1.1	1.6	1.5	1.2	.1							5.5	7.5
E	1.4	1.9	1.6	.8								5.8	6.8
ESE	.4	.9	.1									1.4	4.4
SE	.6	.5	.4									1.4	4.8
SSE	.6	.5	.5									1.5	5.0
S	.5	.6		.1								1.2	4.7
SSW	.2	1.8	1.2	.8	.4							4.4	6.7
SW	1.1	1.2	1.5	.2	.2							4.2	6.7
WSW	1.9	1.4	.5	.1								3.9	4.3
W	2.0	3.8	1.1	.1								6.9	5.0
WNW	1.1	2.1	2.0	.7	.7							6.6	8.0
NW	1.3	4.2	2.2	2.5	.5	.1						10.6	8.3
NNW	1.2	2.0	2.0	1.5	.5	.1						7.3	8.3
VARBL													
CALM												21.6	
	18.3	28.9	18.4	9.9	2.8	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.5	2.6	1.6								9.3	6.8
NNE	.4	1.9	2.1	.4								4.7	7.1
NE	1.3	2.9	1.2	.4								5.8	5.4
ENE	1.1	1.6	1.2	1.4	.5							5.9	8.1
E	.9	2.1	2.0	.7	.4							6.1	7.2
ESE	.4	.6	.6									1.5	5.8
SE	.9	.2	.1									1.3	3.5
SSE	.4	.1	.1	.5								1.1	7.9
S	.7	.8	.5		.2	.1						2.4	7.4
SSW	.7	.5	.6	.7	.1							2.6	8.1
SW	1.3	1.3	1.5	.4								4.5	5.8
WSW	1.2	2.2	.8	.1								4.4	5.2
W	2.2	3.4	1.3	.4	.1	.1						7.5	5.7
WNW	.6	2.5	2.5	1.1	.6	.1						7.3	8.4
NW	.8	2.0	2.6	1.8	.8							8.0	8.9
NNW	.7	3.1	2.4	2.0	.5							8.6	8.5
VARBL													
CALM												19.1	
	15.1	29.0	22.0	11.3	3.2	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724257 STATION PHILLIPS/ABERDEEN MD 48-57 YEARS FEB MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.9	3.7	.7	.1							7.2	7.3
NNE	.7	2.0	1.2	.5								4.4	6.4
NE	1.4	2.1	1.8	.5								5.3	6.0
ENE	1.1	2.2	2.8	1.8	.7							8.6	8.5
E	.7	2.0	1.4	.6	.1	.2						5.1	7.6
ESE		.5	.4									.8	6.4
SE	.4	.5										.8	3.3
SSE		.6	.5	.1	.2							1.4	8.9
S	.3	.2	.2	.2		.5						2.0	9.9
SSW	.4	.7	.5	1.2								2.7	9.1
SW	1.5	1.8	1.5	.6	.1							5.5	6.5
WSW	1.3	1.8	.9	.2								4.7	5.0
W	2.6	2.0	2.0	.5								7.1	5.8
WNW	1.2	2.9	1.6	1.4	1.1	.1						6.4	8.8
NW	.6	2.7	1.8	1.8	.9	.1						7.9	9.3
NNW	.8	2.6	2.1	2.1	.5	.2						8.4	9.1
VARBL													
CALM												18.6	
	15.4	26.5	22.4	12.1	3.8	1.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 849

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724757  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

42-57  
YEARS

PER  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.3	1.5	2.2	.5	.1	.1					6.2	12.5
NNE	.2	.7	2.1	.8	.1							4.5	8.6
NE	1.3	1.5	2.2	.6								5.7	6.6
ENE	.9	2.2	3.3	2.1	.7							9.2	8.8
E	.8	1.6	2.4	.8	.2	.1						6.0	8.1
ESE	.6	.2	.6	.6		.1						2.1	8.7
SE	.1	.1	.1	.1								.5	7.0
SSE	.5	.6	.6	.4								2.0	6.7
S	.5	.7	1.2	.4		.4	.2					3.3	10.8
SSW	.4	1.3	.8	1.1	.7	.1						4.4	10.2
SW	1.4	1.2	2.8	1.8	.6	.2						8.5	9.4
WSW	.7	1.6	1.3	.2	.2							4.1	7.1
W	.5	.8	1.2	.4	.4	.1	.1					3.4	9.7
WNW		.6	2.2	2.4	1.1	.4	.1					6.7	12.7
NW	.4	.6	2.6	5.1	2.5	.8	.1					12.0	13.7
NNW	.6	.4	3.4	3.5	2.2	.5	.1					10.7	12.8
VARBL													
CALM												11.7	
	9.2	15.5	28.4	22.4	9.2	2.8	.8					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 649

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MD 40-57 YEARS FEB  
STATION STATION NAME MONTH  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	2.1	2.2	.2	.5						6.5	10.6
NNE	.4	.5	1.5	1.1	.2							3.7	9.5
NE	.5	1.2	.5	.2								2.4	6.0
ENE	.5	1.5	1.1	1.9	.4	.2						5.5	10.2
E	.1	1.5	1.8	.7	.2							4.4	8.5
ESE	.5	1.4	1.1	.7	.2							3.9	8.1
SE	.5	.7	1.2	.2								2.6	6.9
SSE	.6	.5	.8	.1								2.0	6.2
S	.7	1.6	1.5	1.4	.4	.2						5.2	9.4
SSW	.2	1.6	2.6	2.0	1.1	.5						8.2	11.1
SW	1.1	1.5	1.6	1.8	.4							6.4	8.8
WSW	.5	1.4	.7	.7								3.3	7.1
W	.6	.6	1.5	.4	.5	.1						3.7	9.2
WNW	.2	.9	1.8	3.2	2.4	.8						9.3	13.9
NW	.5	.5	2.4	5.1	2.8	1.2						12.4	19.0
NNW	.2	.9	3.1	5.4	2.7	1.6						13.9	14.0
VARBL													
CALM												6.4	
	7.3	17.4	25.2	27.1	11.2	5.4						100.0	15.3

TOTAL NUMBER OF OBSERVATIONS 249

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

42-57  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.8	2.7	1.4	.2	.1						6.8	9.2
NNE	.1	1.2	1.3	1.3								3.9	9.2
NE	.5	1.3	.8	.1	.1							2.3	6.6
ENE	.7	.5	1.2	1.6	.5	.2						4.7	10.8
E	.6	1.3	2.7	.2	.1	.1						4.4	7.7
ESE	.4	.6	1.3	.2			.1					2.6	8.5
SE	.5	1.1	.7	.2								2.3	5.8
SSE	.1	1.1	.7	.2								2.1	7.1
S	1.2	1.8	2.8	1.9	.4							8.3	8.5
SSW	.9	1.3	2.6	2.2	.2	.2						7.5	9.8
SW	.8	1.5	2.1	.5	.5							5.4	7.8
WSW	.4	1.3	.6	.4	.1							2.7	7.3
W	.5	1.1	.5	.1								2.1	5.7
WNW	.7	.5	1.9	2.8	2.0	1.1						9.2	13.6
NW	.5	1.9	3.3	5.1	2.1	.5		.1				13.4	12.3
NNW	.1	1.1	3.4	4.5	3.2	.8						13.1	13.5
VARBL													
CALM												8.6	
	9.8	19.1	27.9	22.9	9.4	3.1	.1	.1				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

649



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724257 STATION 724257 PHILLIPS/ABERDEEN MD STATION NAME 48-57 YEARS 1977-2000 MONTH 1977-2000  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.8	2.4	.7								5.2	6.6
NNE	.6	1.5	1.3	.5	.1							4.2	7.1
NE	1.2	1.5	.7	.1		.1						3.7	5.4
ENE	.7	.5	1.2	.5	.6							3.5	3.9
E	.5	1.1	1.8	.6	.2							4.2	8.0
ESE	.6	1.1	.6	.2	.1	.1						2.7	7.4
SE	1.1	.7	1.4	.5								3.7	6.7
SSE	.4	.5	1.1									1.2	6.5
S	1.1	1.0	1.3	.9	.1							5.3	7.5
SSW	.7	.6	1.2	1.4	.5	.1						4.5	10.2
SW	.9	2.0	.9	.1								4.2	5.1
WSW	.8	.8	.5									2.1	4.7
W	1.9	1.4	.9	.2								4.5	5.1
WNW	1.3	2.6	2.7	1.5	.7	.4						9.2	9.2
NW	1.5	3.4	4.5	3.1	.4	.1		.1				13.5	6.9
NNW	1.2	1.8	3.3	2.5	.9	.1						9.8	9.7
VARBL													
CALM												17.2	
	15.9	23.2	25.7	12.8	4.1	.9		.1				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 499

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

40-57  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.7	2.2	1.2	.5	.1						7.9	7.6
NNE	.9	1.2	.5	.4								2.8	5.6
NE	1.6	1.5	1.2	.5								4.7	5.8
ENE	.9	1.8	1.4	.4	.2							4.7	7.7
E	.8	2.6	2.1	.6	.2							5.4	7.1
ESE	.5	.6	.4	.4								1.8	6.6
SE	1.1	1.3	.5									2.3	4.4
SSE	.8	.4	.7	.1								2.0	5.6
S	.7	1.2	.8	.1	.4	.1						3.3	7.7
SSW	.4	.7	1.4	1.2	.2	.1						4.5	9.9
SW	.4	1.8	1.2	.2								3.5	6.5
WSW	.9	2.2	.9	.1								4.2	5.3
W	2.5	1.4	.9	.2								4.5	4.6
WNW	.9	2.8	2.6	.8	.6	.5						8.3	8.6
NW	2.1	2.7	2.9	1.8	.9	.2						13.7	6.4
NNW	1.1	2.7	3.3	1.5	.9							9.6	6.8
VARBL													
CALM												18.6	
	16.9	26.9	23.1	9.4	4.7	1.1						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 548

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MO 48-57  
STATION STATION NAME YEARS  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	2.3	1.4	.3	.1	.5					7.3	8.2
NNE	.5	1.4	1.5	.7	.1							4.2	7.4
NE	1.2	1.3	1.1	.4	.7	.7						4.4	5.8
ENE	.9	1.5	1.7	1.4	.5	.1						6.1	8.7
E	.5	1.8	1.9	.6	.2	.1						5.3	7.6
ESE	.4	.7	.6	.3	.7	.1	.7					2.1	7.4
SE	.7	.6	.5	.1								2.2	5.6
SSE	.4	.5	.6	.2	.7							1.0	6.6
S	.8	1.1	1.7	.6	.2	.2	.7					3.9	8.5
SSW	.5	1.1	1.4	1.3	.4	.1						4.0	9.9
SW	1.1	1.5	1.7	.7	.2	.7						5.8	7.4
WSW	1.7	1.6	.8	.2	.7							3.7	5.7
W	1.5	1.8	1.2	.3	.1	.7	.7					5.0	6.1
WNW	.5	1.9	2.2	1.7	1.1	.4	.7					8.1	10.5
NW	1.7	2.2	2.8	3.3	1.4	.4	.7	.7				11.1	10.7
NNW	.7	1.8	2.9	2.9	1.4	.4	.7					10.2	11.0
VARBL												15.2	
CALM													
	13.4	23.3	24.1	16.5	6.0	1.9	.1	.7					

TOTAL NUMBER OF OBSERVATIONS 670

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72457  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

49-57  
YEARS

MAP  
MONTH

ALL WEATHER  
CLASS

000-0000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.0	1.2	1.3	.2							2.0	7.2
NNE	.5	1.2	1.1	.3	.2							2.3	7.2
NE	1.1	1.8	2.2	.9	.1							5.7	6.9
ENE	.9	1.7	2.7	1.0	.6		.2					7.1	9.4
E	1.1	1.8	1.3	1.4	.3	.2						6.1	8.4
ESE	.7	.2	.9	.3								1.7	7.6
SE	.9	.8	.6	.5								2.0	6.7
SSE	.3	.5	.3	.1								1.2	5.9
S	.9	.6	.5	.1	.1							2.3	6.1
SSW	.5	.6	.9	.2	1.1	.5						3.9	12.4
SW	1.2	1.2	1.1	.2	.1							3.2	5.9
WSW	1.7	1.8	.8	.1	.1							4.5	5.7
W	1.5	2.9	1.2	.2								5.0	9.5
WNW	.3	2.2	2.8	1.5	.5	.3						7.6	9.5
NW	1.7	2.2	3.5	3.8	1.7	.1						12.6	10.1
NNW	1.4	1.6	2.7	2.5	.6	.1						8.9	9.2
VARBL													
CALM												16.3	
	14.3	23.4	23.7	14.4	5.9	1.3	.2					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

930

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
ATTN: WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724057 STATION PHILLIPS/ABERDEEN MD 43-57 YEARS 1300-0500 HOURS (LST)

ALL WEATHERED  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	N	MEAN WIND SPEED
N	1.5	1.1	2.4	.5								5.4	6.6
NNE	1.7	1.2	1.3	.6								4.1	6.5
NE	1.5	1.6	3.0	1.2	.3	.1						8.2	7.6
ENE	1.2	1.5	1.6	2.6	.3	.2						7.4	9.3
E	1.5	1.7	2.8	.4	.4	.2						7.1	7.6
ESE	.2	.9	.5	.6	.2							2.5	6.8
SE	.2	.2	.2		.2							.2	9.1
SSE	.2	.2	.2		.2							1.0	7.9
S	.3	.2	.5	.5	.1							1.7	9.6
SSW	.6	.2	.2	.6	.8	.4						2.9	13.0
SW	1.2	1.7	1.1	.1	.2							4.2	5.9
WSW	.5	1.2	1.5	.1								3.3	6.3
W	1.3	3.1	1.2	.2								5.5	5.3
WNW	.5	2.2	3.5	2.3	.9	.6						10.2	10.3
NW	1.1	2.2	2.6	2.0	1.5	.1						9.5	9.9
NNW	1.5	1.5	3.1	2.9	.3	.1						9.5	9.7
VARBL													
CALM												16.6	
	14.6	20.8	25.2	14.8	5.5	1.9						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057      PHILLIPS/ABERDEEN MD      48-57      MAP  
STATION      STATION NAME      YEAR      MONTH

ALL WEATHER      CLASS      0602-0800  
CONDITION      HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	1.0	1.5	.7	.3						6.8	9.2
NNE	.5	1.4	1.4	.5								4.3	7.2
NE	.5	2.4	2.4	1.3	.1							6.7	7.6
ENE	.9	2.2	2.6	3.5	.1	.1						9.4	9.5
E	.9	1.3	2.5	1.4								6.7	7.8
ESE	.3	1.0	1.1	.3	.5	.1						3.3	9.6
SE	.2	.3	.3			.1						1.1	7.2
SSE	.2	.4	.3		.2	.1						1.5	10.0
S	.4	.2	.6	.6	.1							2.0	9.1
SSW	.4	.5	.5	.3	1.1	.1						3.0	11.6
SW	.4	1.1	1.1	.3								2.7	6.9
WSW	.6	1.8	1.1	.6	.1							4.3	7.1
W	1.3	2.4	2.5	.6	.1							6.7	6.8
WNW	1.0	1.7	2.5	2.3	.8	.5						8.7	10.2
NW	.5	2.2	2.0	3.7	1.3	.5						10.2	11.2
NNW	.5	1.2	3.0	2.0	1.0							8.6	10.6
VARBL													
CALM												15.7	
	9.9	21.1	25.8	20.0	5.6	1.9						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS      930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724257 STATION PHILLIPS/ABERDEEN MD STATION NAME 48-57 YEARS 482 MONTH 1992-1993 HOUSE (L & T)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	1.1	1.5	1.5	.1						5.2	11.3
NNE		1.1	1.2	.5	.1							2.9	8.6
NE	.3	.6	2.2	.8								4.3	7.6
ENE	.3	.9	5.1	3.7	.4							9.7	9.8
E	1.0	1.3	1.7	1.9	.2							6.1	8.8
ESE	.4	1.0	1.3	.4	.3							3.4	8.6
SE	.7	.1	1.2	.3		.7						2.2	9.6
SSE	.4	.6	.4	.2	.2	.2						2.2	9.1
S	.3	.4	1.7	.5	.4		.1					3.2	12.4
SSW	.7	.5	1.9	2.3	1.1							6.3	11.5
SW	.4	.9	1.6	1.7	.2							4.7	9.4
WSW	.2	.4	.3	1.5	.3							2.3	11.2
W	.3	1.7	.3	.3	.1							2.0	6.7
WNW	.2	1.0	2.5	4.1	2.2	.9	.2					10.9	13.6
NW	.3	.5	3.1	6.5	3.8	.9						15.3	13.7
NNW	.3	.9	3.2	4.7	2.3	.6						11.7	12.8
VARBL													
CALM												6.2	
	6.1	12.3	28.8	30.3	13.1	2.9	.3					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION 724057 PHILLIPS/ABERDEEN MD STATION NAME 45-57 YEARS MAR MONTH 1999-1999 HOURS (L & T)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	2.5	1.8	.9							6.3	12.7
NNE		.5	.9	.8	.4							2.6	10.3
NE	.2	1.5	1.0	.1	.1							2.9	6.6
ENE	.5	1.4	1.7	1.9	.1	.2						5.9	9.3
E	.9	1.5	2.5	1.0	.2	.1						6.1	8.1
ESE	.3	1.4	.9	.6	.1							3.3	8.1
SE	.4	1.2	1.1	.8	.1							3.3	8.0
SSE	.3	.4	1.1	.4	.2							2.5	9.1
S	.6	.6	3.0	1.0	.6	.2						7.1	10.6
SSW	.4	.6	1.5	3.7	1.3	.1	.1					7.7	12.4
SW	.5	.3	1.1	1.8	.3							4.1	10.8
WSW	.2	.3	.6	1.3	.4							2.9	11.2
W	.3	.6	.8	1.0	.2							2.9	9.6
WNW	.3	.4	3.3	4.2	2.7	1.0	.2					13.1	14.4
NW	.2	.3	3.5	5.6	3.7	1.2						14.5	14.0
NNW	.2	1.5	2.2	3.7	2.4	1.1						11.0	13.0
VARBL													
CALM												3.7	
	5.7	13.7	27.5	30.5	13.8	4.8	.3					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724757 STATION PHILLIPS/ABERDEEN MD 4P-57 YEARS MAR NORTH  
ALL WEATHER CLASS 1500-1700 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	1.4	1.0	.3							3.8	9.4
NNE	.1	.3	.8	1.4	.2							2.8	10.9
NE	.6	.4	1.0	.8								2.8	7.8
ENE	.5	1.2	1.9	1.9		.4						6.0	10.0
E	.2	1.0	2.3	1.3	.4	.1						5.3	9.7
ESE	.5	.8	1.5	.4	.1							3.3	7.7
SE		.4	.9	.3	.2							1.8	9.9
SSE	.2	1.0	.6	.4	.4							2.7	8.9
S	1.0	1.3	1.9	3.7	1.6	.2						10.2	11.0
SSW	.2	.0	1.8	2.0	1.5	.1						6.6	12.0
SW	.5	1.2	1.6	.9	.1							4.3	8.1
WSW	.4	.5	1.5	.6								3.1	8.0
W	.1	.8	1.1	.6	.1	.1						2.9	9.7
WNW	.4	.6	2.7	4.2	1.7	1.0	.1	.2				11.0	14.0
NW	.3	1.2	4.7	5.5	2.3	1.8	.2					16.0	13.3
NNW	.5	1.1	3.9	5.3	2.7	.5						14.0	12.4
VARBL													
CALM												3.5	
	6.2	13.8	29.6	30.3	11.7	4.3	.3	.2				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

WAS  
MONTH

ALL WEATHER

CLASS

1840-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.5	2.3	.6	.4							5.0	7.9
NNE	.4	.9	1.3	1.0	.1							3.7	7.9
NE	.6	.6	1.8	.5								3.7	7.5
ENE	.9	.5	2.0	1.6	.2	.4						5.6	10.3
E	.3	.9	2.0	.9	.5							4.6	9.4
ESE	.1	1.3	1.2	.9	.1							3.5	8.3
SE	.5	.8	1.4	.4	.1							3.2	7.6
SSE	.9	.6	1.3	.1	.1							3.0	6.4
S	1.1	.9	1.6	2.2	.3							6.0	9.6
SSW	1.0	1.1	1.2	1.3	.5							5.1	8.8
SW	1.3	1.4	.9	.3	.2							4.1	6.0
WSW	.6	1.4	1.1	.2	.1							3.4	6.2
W	.8	1.9	.8	.1	.1							3.7	5.7
WNW	1.3	1.8	1.8	1.8	1.4	.5	.1					8.8	10.9
NW	1.4	3.7	4.5	2.8	1.9	1.4						15.7	10.6
NNW	1.7	2.0	2.5	2.4	1.1	.1						9.0	9.9
VARBL													
CALM												10.9	
	13.1	21.3	27.6	17.2	7.3	2.5	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MD

48-57

MAC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

2100-2300

MOUSE (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	1.6	.9	.4							5.1	6.1
NNE	.4	1.4	1.3	.3	.2	.1						3.8	6.1
NE	.4	1.0	1.6	.5	.3							3.9	6.3
ENE	.5	1.3	2.6	1.7	.4	.2	.1					6.9	10.1
E	.8	1.5	1.6	.9	.4							5.2	8.2
ESE	.8	.6	1.2		.1							2.7	6.4
SE	.8	.9	1.1	.1								2.8	6.1
SSE	.5	.4	.9	.2								2.0	6.7
S	.5	.5	.6	.6	.3							2.7	9.4
SSW	1.7	1.4	.9	.9	.8	.6						5.5	10.4
SW	.8	1.4	.5	.5								3.2	6.3
WSW	1.4	2.2	1.2	.1								4.8	5.2
W	1.3	2.6	1.1	.2								5.2	5.4
WNW	.9	2.2	2.4	1.8	1.3	.2	.1					6.8	10.2
NW	.9	2.3	3.2	4.2	1.8	.6						13.0	11.4
NNW	1.0	2.2	2.4	2.7	.2	.2						8.6	9.4
VARBL													
CALM												15.9	
	12.5	23.2	24.1	15.7	6.3	2.0	.2					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

MAC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L E T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.2	1.8	1.2	.5	.1						5.5	8.9
NNE	.4	1.0	1.1	.7	.2	.0						3.4	6.2
NE	.8	1.2	1.9	.8	.1	.0						4.8	7.5
ENE	.7	1.3	2.5	2.2	.3	.2	.0					7.2	9.7
E	.6	1.4	2.1	1.1	.3	.1						5.8	8.4
ESE	.4	.9	1.1	.5	.2	.0						3.0	6.2
SE	.4	.6	.8	.3	.1	.0						2.2	7.8
SSE	.4	.6	.6	.2	.2	.0						2.0	8.0
S	.6	.7	1.3	1.3	.5	.1	.0					4.4	10.0
SSW	.6	.7	1.1	1.4	1.0	.2	.0					5.1	11.5
SW	.8	1.1	1.1	.7	.1							3.9	7.5
WSW	.7	1.2	1.0	.6	.1							3.7	7.2
W	.9	1.9	1.1	.4	.1	.0						4.4	6.5
WNW	.6	1.5	2.7	2.8	1.4	.8	.1	.0				9.9	11.9
NW	.8	1.8	3.4	4.2	2.2	.8	.0					13.3	12.0
NNW	.8	1.5	2.9	3.4	1.3	.3						10.2	11.0
VARBL													
CALM												11.1	
	10.4	18.7	26.6	21.7	8.6	2.7	.2	.0				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

7490

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

12457 PHILLIPS/ABERDEEN MD 40-57 APR 82

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER  
CLASS

000-000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.8	2.3	.4	.4							5.8	7.6
NNE	.3	1.8	2.1	.7								4.9	7.5
NE	1.2	2.4	1.7	.9								6.2	6.7
ENE	.6	1.4	2.4	1.0	.7							6.1	8.9
E	.6	1.4	.8	1.1	.3							4.2	8.3
ESE	.3	.9	.7	.4	.1							2.4	7.4
SE		.7	.4	.1								1.2	6.7
SSE	.2	.9	.7	.1								1.9	6.1
S	.9	1.2	1.3	.2	.2							3.9	7.0
SSW	.7	1.1	1.2	1.6	.4							5.0	9.4
SW	2.1	1.8	1.4	.6	.3							6.6	8.8
WSW	1.4	1.9	1.7	.3								5.3	5.8
W	2.3	2.8	2.1	.4								7.7	5.6
WNW	1.1	2.4	1.7	.4								5.7	6.2
NW	.6	3.4	3.4	1.1								8.6	7.4
NNW	.6	1.4	1.4	1.4	.1	.1						5.1	8.5
VARBL													
CALM												19.7	
	13.4	27.4	25.4	11.2	2.7	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

74257  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0300-2500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	1.7	.9	.3							4.7	8.5
NNE	1.1	1.4	1.8	1.2								5.6	7.5
NE	.7	2.4	2.9	1.0								7.1	7.1
ENE	.2	1.8	2.9	1.8	.1							6.8	8.9
E	1.1	1.6	2.1	.4	.1							5.2	7.1
ESE	.7	1.0	.1	.6	.1							2.4	7.2
SE	.3	.7	.1									1.1	4.2
SSE	.3	1.1	.3	.2								2.0	6.2
S	.3	.9	.4	.1								1.8	5.8
SSW	.8	.9	1.0	1.4	.3	.2						4.7	9.5
SW	1.0	1.9	1.1	.4	.1							4.6	6.4
WSW	1.9	3.3	1.9	.1								7.2	5.4
W	1.4	2.7	1.2	.2								5.6	5.1
WNW	.7	2.4	1.7	.8								5.6	6.9
NW	.9	2.1	2.9	2.0	.6							8.4	8.9
NNW	.2	1.3	3.3	1.8	.9	.1						7.7	10.1
VARBL													
CALM												19.8	
	12.4	26.4	25.4	13.0	2.6	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

970

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MD 48-57 APR  
STATION MONTH  
STATION NAME YEARS  
ALL WEATHER 0600-2600  
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	1.4	1.2	.2							4.7	6.6
NNE	.3	1.6	1.9	1.6	.3							5.7	9.2
NE	.9	1.3	1.7	1.0	.1							5.2	7.4
ENE	.6	2.6	3.3	3.3	.7							10.4	9.4
E	1.2	1.2	1.4	1.3	.2							5.4	8.2
ESE	.6	1.4	.8	.3	.1							3.2	6.9
SE	.6	.9	.4		.2							2.1	6.5
SSE	.5	1.1	.3		.1							2.3	5.2
S	.3	.7	.3		.1							1.4	5.9
SSW	.7	1.1	1.1	1.6	.9							5.6	10.4
SW	1.3	1.4	2.6	1.0	.3							6.7	7.9
WSW	1.4	2.2	1.7	1.2	.1							6.7	7.1
W	1.1	2.6	1.7	.7								6.2	6.2
WNW	.9	1.3	1.0	2.0	.8							6.2	9.6
NW	.4	1.8	2.0	3.3	.3	.1						8.2	10.3
NNW	.4	1.2	1.6	3.3	1.2	.6						8.3	12.2
VARBL													
CALM												12.4	
	12.0	23.8	23.2	22.1	5.8	.7						170.0	7.6

TOTAL NUMBER OF OBSERVATIONS 900

CLERICAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

704-57 STATION PHILLIPS/ABERDEEN MD 48-57 YEARS  
STATION NAME  
ALL WEATHER CLASS  
CONDITION  
APC NORTH  
1950-1959 HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.6	1.2	1.7	.9							4.8	10.6
NNE	.2	1.1	1.3	1.4	.3							5.1	9.0
NE	.3	.0	1.6	1.0								3.0	6.7
ENE	.7	1.6	2.8	3.1	.9							9.9	10.2
E	.7	.4	2.6	2.0	.4	.1						6.2	10.2
ESE	.7	.7	1.2	.6	.3							3.3	9.6
SE	.2	.0	.9	.1								2.1	7.1
SSE	.3	.0	1.0	.3	.1							2.6	7.6
S	.6	.9	2.0	.7	.4							4.6	6.8
SSW	.4	1.6	2.4	3.6	1.7	.2						9.9	11.6
SW	.2	1.3	3.1	2.4	.8							7.9	10.1
WSW	.6	1.1	1.6	1.4								4.7	8.3
W	.3	.9	.8	1.1	.2	.1						3.4	9.9
WNW	.3	.6	2.2	4.6	1.2	.6						9.9	12.5
NW	.1	.6	1.7	3.2	1.8	.2						7.6	12.9
NNW	.1	.0	2.6	4.3	2.1	.3						10.3	12.8
VARBL													
CALM												4.9	
	7.0	14.9	28.7	31.8	11.2	1.6						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 220



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/AFROZEN MD STATION NAME 46-57 YEARS 1240-1400 MONTHS ALL WEATHER CLASS 1240-1400 HOURS (LST) CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.9	1.4	1.9	.2							3.4	11.2
NNE	.5	.6	1.1	1.1	.1							3.4	9.2
NE	.1	.7	1.8	.7	.5							3.6	9.7
ENE	.1	1.3	2.9	2.1	.4	.1						7.5	9.6
E		.6	1.9	1.4	.2	.1						4.2	11.2
ESE	.2	.6	.8	1.8	.4							3.5	11.2
SE	.0	.6	.3	1.1	.1							2.7	9.9
SSE	.5	1.1	1.8	.8	.2							4.4	9.2
S	.6	.8	3.1	2.8	1.2	.1						9.2	12.9
SSW	.7	1.4	2.2	3.6	1.8	.6						16.4	12.5
SW	.6	1.4	2.6	2.3	.6							7.4	9.5
WSW	.6	.7	1.7	1.2	.4							3.9	9.2
W	.1	.1	.9	1.7	.6	.1						2.5	12.2
WNW	.1	.6	2.3	4.1	2.7	.9						10.6	13.9
NW	.5	1.7	2.9	3.0	.3	.3						6.5	10.2
NNW	.1	1.7	2.2	5.3	1.9	.3						13.6	13.5
VARBL													
CALM												2.7	
	5.3	13.9	9.2	34.2	12.0	2.7						100.1	10.0

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 10-62 OBS 10L AIR WEATHER SERVICE/MAC ARE OBSOLETE

CLIMAT CLIMATOLOGY BRANCH  
JAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

724 57  
STATION

PHILLIPS/ABERDEEN MO  
STATION NAME

40-57

YEARS

2 P. -  
NORTH

ALL WEATHER  
CASH

200-1720  
MOORE, L. E. T.

### CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	1.2	1.7	.9							4.4	12.2
NNE	.4	.7	.9	.6	.1							2.7	8.7
NE	.1	.3	1.3	.8	.3							1.9	13.0
ENE	.4	.4	2.6	2.1	.2	.1						2.4	13.0
E	.3	1.8	1.9	1.2	.6	.1	.1					4.7	9.8
ESE	.3	.6	1.2	1.1	.3							4.3	7.3
SE	.1	1.1	1.2	1.4	.1							4.6	6.3
SSE	.3	1.0	1.0	1.0	.2							3.8	8.8
S	.7	1.3	3.2	2.7	1.3							7.7	12.8
SSW	.2	.2	4.3	4.3	2.3	.4	.1					12.1	12.6
SW	.5	1.9	1.7	1.6	.3	.1						8.1	9.1
WSW	.7	1.2	1.2	.7	.1							3.8	6.1
W	.7	.3	.6	.7	.2							2.4	7.1
WNW	.6	1.9	2.6	2.2	2.7	.4						11.3	12.1
NW	.2	.2	1.9	2.6	2.6	.2						7.6	12.6
NNW	.2	.2	3.2	3.6	1.7							4.7	12.3
VARBL													
CALM												2.7	
	6.1	15.6	30.2	31.4	13.4	1.4	.2					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FROM ORS - OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724257 STATION 40-57 YEARS 18-0-2000 MONTH  
PHILLIPS/ABERDEEN MD STATION NAME  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	1.6	.3	.6							4.7	8.2
NNE	.3	.7	1.6	.7	.1							2.9	7.7
NE	.4	.7	.6	.7	.3							2.7	8.6
ENE	.3	2.6	1.4	1.8	.2	.2						6.6	9.2
E	.4	1.3	2.1	1.3	.1	.4						5.8	9.6
ESE	.5	.9	1.2	.4	.1							3.2	7.4
SE		1.7	1.6	.7	.3							3.9	9.1
SSE	.1	1.3	1.0	.6	.1							4.2	8.2
S	1.7	1.3	2.3	1.2	.7							6.9	8.9
SSW	.2	1.9	2.8	1.9	1.2							5.7	9.7
SW	1.3	2.3	2.1	.8	.1							6.9	8.7
WSW	.4	2.4	1.3	.1								4.3	6.2
W	1.3	1.6	.3	.7	.1							3.9	5.6
WNW	.9	1.7	2.6	1.7	1.2	.1						7.8	9.9
NW	1.2	1.2	3.6	2.4	1.2	.2						9.4	12.2
NNW	.2	1.6	3.2	1.6	.2	.1						7.2	9.4
VARBL													
CALM												10.4	
	11.2	24.4	30.1	16.4	6.2	1.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 774057 PHILLIPS/ABERDEEN MD 48-57 YEARS 48  
STATION NAME  
CLASS ALL WEATHER  
CONDITION  
APR 21-2300  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.9	.9	.9	.1	.2						3.7	6.8
NNE	.3	.6	2.7	.9	.2							4.0	6.8
NE	.2	1.9	2.4	.4	.1							3.9	7.6
ENE	.8	1.1	2.0	1.9	.4	.1						6.1	9.9
E	1.3	1.4	2.4	.2	.2	.2						5.9	7.6
ESE		1.1	.9	.7	.2							2.8	9.5
SE	.7	.6	.4	.2								1.9	5.9
SSE	.2	1.4	2.0	.2	.1							4.0	7.1
S	.8	1.8	.8	.7	.3							4.3	7.4
SSW	.9	1.3	2.0	1.7	1.0	.1						7.3	9.9
SW	1.2	2.1	2.2	.4	.1							6.1	6.7
WSW	.8	3.8	1.2	.1								5.9	5.6
W	2.2	2.4	1.3									5.0	4.8
WNW	.5	1.9	2.4	1.2	.1							6.4	7.7
NW	.9	1.9	3.1	1.7	.4							8.0	6.5
NNW	.7	1.7	2.3	2.1	.6	.1						7.4	9.4
VARBL													
CALM												15.4	
	12.2	25.3	26.4	13.3	4.0	.9						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MC 48-57 YEARS APS MONTH  
ALL WEATHERED CLASS ALL HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	1.4	1.1	.5	.2						4.7	9.4
NNE	.6	1.0	1.6	1.0	.2							4.4	6.2
NE	.5	1.3	1.7	.8	.2							4.5	7.2
ENE	.4	1.6	2.5	2.1	.5	.1						7.2	9.5
E	.7	1.2	1.9	1.1	.3	.1	.0					5.4	9.2
ESE	.4	.9	.9	.8	.2							3.2	6.7
SE	.3	.8	.7	.5	.1							2.4	7.8
SSE	.4	1.1	1.1	.4	.1							3.1	7.4
S	.7	1.1	1.7	1.0	.5	.2						5.1	9.0
SSW	.7	1.3	2.1	2.5	1.2	.2	.0					6.0	11.0
SW	1.1	1.8	2.1	1.2	.3	.2						6.5	8.2
WSW	1.0	2.1	1.5	.7	.1							5.2	6.7
W	1.2	1.7	1.1	.6	.1	.2						4.7	6.6
WNW	.7	1.6	2.1	2.2	1.1	.2						7.9	12.5
NNW	.5	1.7	2.7	2.5	.8	.1						6.4	12.1
NNW	.7	1.2	2.5	3.0	1.1	.2						6.3	11.3
VARBL													
CALM												11.3	
	10.0	21.5	27.6	21.6	7.2	1.1	.0					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

42-57  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0000-2359  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	N	MEAN WIND SPEED
N	1.1	2.2	1.3	.5								4.2	6.3
NNE	1.4	1.4	2.3	1.1								6.1	7.1
NE	.8	1.8	2.6	.2								5.4	6.8
ENE	1.1	2.7	1.2	1.1	.4							6.5	7.4
E	1.1	1.4	2.0	1.1								6.0	7.2
ESE	.4	.3	.5	.1								1.5	5.9
SE	1.3	.5	.4									2.3	4.2
SSE	1.0	1.2		.2								2.4	4.5
S	.3	1.7	1.2	.3								3.5	6.8
SSW	.3	1.8	1.7	1.3	.1	.2						5.9	8.1
SW	1.2	2.7	2.3	.3								5.8	6.2
WSW	1.9	2.0	1.1	.5								5.6	5.6
W	1.1	2.6	.9									4.5	4.9
WNW	1.1	2.6	1.3									4.9	5.3
NW	1.5	2.0	1.4	.5								5.5	6.0
NNW	.9	1.9	2.4	.8								5.8	7.0
VARBL													
CALM												23.0	
	15.7	29.0	22.5	6.1	.5	.2						170.0	4.9

TOTAL NUMBER OF OBSERVATIONS

934

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD STATION NAME 42-57 YEARS MAY MONTH  
ALL WEATHER CLASS 300-3500 HOURS (L S T)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.4	1.5	.4	.2							5.3	6.4
NNE	1.9	3.7	2.8	1.0	.1							9.5	6.4
NE	.9	1.7	1.8	1.1								5.5	7.3
ENE	1.5	2.3	1.6	1.4	.2							7.0	7.1
E	1.4	1.1	1.2	.3	.1							4.1	6.4
ESE	.6	.9	.3	.1								1.9	5.2
SE	.4	1.0	.2									1.6	4.6
SSE	.5	.3	.3	.1								1.3	4.8
S	.2	.8	1.0	.2								2.2	7.3
SSW	1.1	1.4	1.0	1.5	.6							5.6	8.7
SW	.9	1.9	1.1	.6								4.5	6.5
WSW	1.2	2.9	.8									4.8	4.8
W	.5	2.5	1.1	.1								4.3	5.5
WNW	1.3	2.3	1.3									4.8	5.0
NW	.9	2.3	2.4	.2								5.7	6.2
NNW	1.4	2.6	1.6	.9	.3							6.8	7.2
VARBL													
CALM												24.0	
	16.1	29.8	19.9	8.0	1.6							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD 42-57 YEARS MAY  
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.6	1.7	.9	.1							5.3	7.3
NNE	1.1	1.8	2.6	1.5	.3							7.3	6.3
NE	1.7	3.1	2.5	1.7								8.3	7.2
ENE	1.2	1.7	3.9	1.8	.3							8.9	8.2
E	.5	.5	1.1	1.1								3.3	8.0
ESE	.2	.8	1.1	.4								2.5	7.4
SE	.2	.5	.6									1.4	6.5
SSE	.3	.4	.4	.3								1.2	7.4
S	.7	.6	1.7	.5	.1							2.5	8.2
SSW	.9	1.0	2.2	1.6	.3	.1						6.0	9.2
SW	1.3	1.9	2.0	1.1								6.3	7.0
WSW	1.4	2.0	1.5	.8	.1							5.8	6.6
W	1.1	1.1	.6	.3								3.1	5.9
WNW	.9	1.2	1.9	.9	.1							4.9	7.8
NW	1.7	1.3	2.0	.5	.5							5.4	8.0
NNW	.9	2.3	2.9	2.8	.3							9.1	9.1
VARBL													
CALM												18.3	
	13.1	21.0	28.1	16.2	2.3	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MD 48-57 MAY  
STATION STATION NAME YEARS MONTH  
ALL WEATHER CLASS 0900-1100  
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	2.0	.8	.1							4.9	7.7
NNE	.4	.8	1.9	1.5	.2							4.8	9.1
NE	.6	.9	2.5	1.3	.1							5.4	8.6
ENE	.2	3.1	4.4	1.9	.5							10.8	6.2
E	.4	1.0	3.5	.8								5.7	8.0
ESE	.5	1.4	1.3	.5								3.3	6.9
SE	.5	.6	1.3	.3	.1							2.9	7.3
SSE	.5	.5	1.2	1.0	.1							3.3	6.5
S	.5	.8	1.8	1.0	.1							4.2	6.3
SSW	.5	1.7	2.5	2.6	.4							7.7	9.5
SW	.9	2.3	3.1	1.4	.1							7.7	7.8
WSW	1.0	1.3	1.8	1.1	.5							5.7	6.4
W	.4	.5	.4	1.2	.2							2.8	10.0
WNW	.5	1.5	1.8	2.5	.3	.3						7.0	10.3
NW	.6	.8	2.0	2.9	.1	.1						6.6	10.2
NNW	.6	1.6	3.0	3.3	.4	.2						9.2	10.0
VARBL													
CALM												7.4	
	9.6	20.2	34.7	24.0	3.4	.6						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD 49-57 YEARS MAY MONTH  
ALL WEATHERED CLASS 1200-1400 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	.6	1.3								4.1	7.8
NNE	.2	.6	1.1	.9	.1							2.9	9.1
NE	.4	2.3	2.3	1.4								6.3	7.7
ENE	.6	1.9	3.0	1.8	.3							7.7	8.6
E	.3	1.7	1.7	1.5	.2							5.5	8.7
ESE	.4	1.3	1.1	.5								3.3	7.0
SE	1.0	1.3	1.9	.8								4.9	7.3
SSE	.5	.6	1.7	1.3	.1	.1						4.4	9.4
S	.8	1.8	2.8	1.6	.3							7.3	8.6
SSW	.9	1.5	3.9	4.3	.3	.1						11.0	9.9
SW	.4	1.4	2.8	2.2								6.6	9.4
WSW	.6	1.1	1.8	1.6	.2							5.4	8.8
W	.3	1.0	1.2	1.1	.6							4.2	10.2
WNW	.5	.9	2.4	3.8	1.1	.4						9.0	11.6
NW	.5	.6	1.7	2.0	.4							5.4	10.4
NNW		1.9	2.5	3.1	1.2	.1						8.8	10.7
VARBL													
CALM												2.9	
	8.7	21.1	32.5	29.1	4.9	.8						120.0	9.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD 48-57 YEARS MAY NORTH  
ALL WEATHER CLASS 1500-1700 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	2.9	.4	.2							5.6	8.5
NNE	.2	1.1	1.4	.6								3.3	8.2
NE	.6	1.7	1.7	.6								4.0	7.6
ENE	.4	1.5	2.4	1.7	.1							6.1	8.7
E	.5	1.5	2.2	.9	.2							5.3	8.1
ESE	.4	1.4	1.7	1.3	.1							4.2	8.4
SE	.3	.9	1.2	1.0	.4							3.7	10.0
SSE	.9	1.4	1.8	1.0								4.9	7.8
S	1.2	2.3	1.0	1.4	.2							7.0	7.8
SSW	.5	2.9	4.1	5.3	1.0							13.9	10.1
SW	.9	2.9	2.7	2.2								8.5	8.1
WSW	.4	1.7	2.5	.9	.3							5.1	8.7
W	.3	.3	1.5	.8	.3							3.7	8.9
WNW	.5	1.3	2.2	3.0	.6	.1						7.7	10.3
NW	.3	1.4	1.8	1.6	1.7	.1						6.2	10.4
NNW	.5	1.7	2.4	2.5	.8							7.1	10.3
VARBL													
CALM												3.5	
	9.2	22.9	33.5	25.1	5.3	.2						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724357  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1500-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.2	.9	.4								3.2	6.4
NNE	.5	1.9	1.6	.5								4.6	6.9
NE	.6	.6	1.5	.6	.1							3.7	8.0
ENE	.4	1.7	1.6	1.7	.3	.1						4.4	7.2
E	.6	2.4	1.7	1.0								5.7	7.1
ESE	.3	1.1	2.2	.6								4.2	7.5
SE	.2	.9	2.0	.4								3.5	6.3
SSE	1.0	1.4	2.3	1.5	.1							6.2	6.1
S	1.4	1.6	.6	.5	.1							4.3	6.0
SSW	1.9	2.4	3.0	1.6	.1							9.0	7.3
SW	1.6	4.2	2.8	.6	.1							4.6	6.1
WSW	1.3	3.1	1.0	.3	.1							5.3	5.7
W	1.7	1.3	1.1	.4								3.9	6.2
WNW	1.2	1.8	1.8	.8	.2	.1						5.9	7.7
NW	1.4	1.4	2.6	.9	.2							6.5	7.5
NNW	.6	2.7	1.7	.4	.3							5.2	7.4
VARBL													
CALM												14.8	
	15.3	28.3	28.4	11.7	1.7	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

53

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/BERDEEN MD

46-57

MAY

ALL WEATHER

2100-2300

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.5	1.1	.1								4.1	5.2
NNE	.9	1.5	1.5	.9								4.7	7.1
NE	1.4	1.3	2.0	.8	.2							5.7	7.2
ENE	.5	1.7	2.3	.8	.5							5.1	8.7
E	1.7	1.0	1.7	1.4								5.1	8.0
ESE	.6	1.1	1.8	.4								4.0	6.8
SE	.3	1.2	.9	.5								2.9	7.4
SSE	1.1	1.7	1.9	.1								4.8	6.7
S	.3	1.0	1.0	.5	.1							3.3	6.6
SSW	.6	1.9	1.8	1.0	.2							5.7	7.5
SW	1.4	2.5	2.5	.5								6.9	6.4
WSW	1.6	2.4	1.3	.3	.1							5.2	5.6
W	1.2	2.0	.5									4.5	4.3
WNW	.8	1.7	1.8	.2	.1	.1						4.7	6.8
NW	1.3	2.2	1.2	.9	.3							5.3	7.0
NNW	1.2	2.0	1.3	1.0	.5	.1						6.1	8.2
VARBL													
CALM												20.0	
	17.1	25.9	24.6	9.4	2.2	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD 42-57 YEARS MAY MONTH  
ALL WEATHER CLASS ALL MONTHS (L S Y)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	1.5	.6	.1							4.7	6.9
NNE	.3	1.6	1.9	1.0	.1							5.4	7.5
NE	.5	1.6	2.1	1.0	.1							5.5	7.5
ENE	.4	1.9	2.5	1.4	.3	.0						7.1	8.2
E	.3	1.4	1.0	1.0	.1							5.1	7.7
ESE	.5	1.1	1.2	.5	.0							2.2	7.1
SE	.5	.8	1.1	.4	.1							2.9	7.3
SSE	.7	1.0	1.2	.7	.0	.0						3.9	7.5
S	.7	1.3	1.4	.6	.1							4.3	7.6
SSW	.4	1.8	2.5	2.4	.4	.1						8.1	9.6
SW	1.1	2.4	2.4	1.1	.0							7.2	7.2
WSW	1.2	2.0	1.5	.7	.2							5.5	6.7
W	.9	1.4	.9	.5	.1							3.9	6.8
WNW	.6	1.7	1.8	1.4	.3	.1						6.1	8.6
NW	.9	1.5	1.9	1.2	.3	.1						5.9	8.3
NNW	.3	1.9	2.2	1.8	.5	.1						7.3	9.0
VARBL													
CALM												14.4	
	13.2	24.4	28.7	16.4	2.7	.3						120.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7440

OFFICIAL CLIMATOLOGY BRANCH  
USAF LTAC  
AIR WEATHER SERVICE/PAO

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

40-57  
YEARS

100  
MONTH

ALL WEATHER  
CLASS

100  
HOURS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	MEAN WIND SPEED
N	1.0	2.7	2.0	1.1								1.1
NNE	1.0	1.7	1.0									0.9
NE	1.0	1.0										0.7
ENE	1.0	1.0	1.1	1.7	1.0							1.4
E	1.0	1.1	1.4	1.1								1.1
ESE	1.0	1.0	1.0	1.7	1.0							1.1
SE	1.0	1.1	1.0									1.0
SSE	1.0	1.0	1.0									1.0
S	1.0	1.0	1.0									1.0
SSW	1.1	1.0	1.0	1.7	1.0	1.0						1.0
SW	1.1	1.0	1.0	1.7	1.0							1.0
WSW	1.0	1.0	1.0	1.7	1.0							1.0
W	1.0	1.0	1.0	1.7	1.0							1.0
WNW	1.0	1.0	1.0	1.7	1.0							1.0
NW	1.0	1.0	1.0	1.7	1.0							1.0
NNW	1.0	1.0	1.0	1.7	1.0							1.0
VARBL												1.0
T.A.M												1.0
												1.0

TOTAL NUMBER OF OBSERVATIONS

900

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

4-5-7

100

ALL SEATED  
CLASS

[illegible]

COMBUSTION

SPEED KNTS. DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.6	1.6									1.7	1.1
NNE	1.1	3.6	2.1									1.8	1.1
NE	1.3	1.7	1.3	1.7								1.1	2.0
ENE	.	.7	1.4	.6	.2							1.1	2.0
E	.	1.9	1.7	.8	.1							4.3	7.0
ESE	.1	.	.7	.4								2.1	4.0
SE	1.1	.	.									2.3	4.0
SSE	.	.7	.1									1.3	4.0
S	1.7	1.2	.9	.7								3.7	1.0
SSW	.7	1.6	1.6	.5		.1						4.2	7.0
SW	.3	2.3	1.2	.4								4.2	1.0
WSW	1.2	2.4	1.2	.7								3.1	7.0
W	1.4	1.7	1.7									4.1	7.0
WNW	.3	2.1	.6									3.7	4.0
NW	1.2	2.7	.6	.7								1.1	1.0
NNW	1.2	1.4	.2	.6								1.1	1.0
VARBL													
CALM												2.7	
	17.6	29.1	18.9	1.7	.3	.1						12.0	1.0

TOTAL NUMBER OF OBSERVATIONS

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 01-25-2001 BY 60322 UCBAW



USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.4.57 STATION PHILLIPS/ABERDEEN MD 48-57 YEARS JUN 1950-1956  
STATION NAME CLASS ALL WEATHER HOURS (LST)  
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.3	1.8	.8								3.2	4.6
NNE	.2	.3	2.3	.7	.2							4.2	5.7
NE	.3	.3	1.8	.7								3.9	5.1
ENE	.9	2.1	4.3	1.9	.1							9.2	6.4
E	.8	2.6	2.2	1.6	.1	.1						7.7	6.8
ESE	.3	.4	.8	.7	.2	.1						3.1	9.6
SE	.5	.6	.9	.8								2.4	8.5
SSE	.8	1.2	1.3	.3								3.4	6.6
S	.5	1.6	2.7	1.2								6.1	7.9
SSW	.3	2.9	3.7	2.3	.4							10.1	5.7
SW	.7	1.9	2.6	1.7								6.9	8.2
WSW	.6	1.1	1.7	.8	.1							4.2	7.6
W	1.6	2.1	1.1	.3	.1							5.1	5.7
WNW	.4	1.1	3.2	1.8	.8	.1						7.4	10.1
NW	.3	2.6	3.3	1.4	.3							9.5	8.5
NNW	1.1	1.3	3.8	2.8	.2							9.7	6.7
VARBL													
CALM												5.4	
	10.1	24.3	37.4	19.7	2.7	.7						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724357 PHILLIPS/ABERDEEN MO 40-57  
STATION MONTH  
CLASS ALL WEATHER  
CONDITION  
17-0-1400  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	1.2	.8	.1							3.3	2.4
NNE	.3	.4	.6	1.2								2.6	2.7
N-E	.2	.9	1.2	.6	.1							3.2	2.2
ENE	.7	1.1	1.9	1.6	.3	.1						5.0	9.4
E	.3	1.3	1.7	1.3	.1	.1	.1					5.0	9.5
ESE	.4	1.0	1.7	.6	.2							3.1	6.1
SE	.3	.9	1.2	.4								2.7	7.7
SSE	.6	1.2	2.2	.9								4.7	6.1
S	.5	1.9	4.2	2.0								6.7	8.5
SSW	.6	3.6	5.6	5.6	.9							16.3	9.8
SW	.7	1.1	3.4	1.3								5.6	8.4
WSW	.7	1.3	2.1	1.0	.3							5.1	6.6
W	.9	.7	.7	.8	.2							3.2	6.3
WNW	.6	2.0	2.4	3.4	1.0							9.4	10.3
NW	.7	1.0	3.1	1.2	.3							6.5	6.9
NNW	.3	.2	2.9	3.0	.9							7.9	10.5
VARBL													
CALM												3.9	
	7.8	20.6	36.8	25.1	9.6	.2	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

70457  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

40-57  
YEARS

JUL  
MONTH

ALL WEATHERED  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.0	1.6	.6								4.6	7.3
NNE	.3	1.2	.7	.7	.2							2.9	8.5
NE	.7	1.7	1.7	.3								4.0	6.9
ENE	.1	1.3	1.7	.8	.3							4.2	6.7
E	1.0	.9	2.0	1.6	.1		.1					5.7	8.8
ESE	.1	.9	1.3	1.0	.9							4.2	11.0
SE	.7	1.3	.8	.6								3.3	6.7
SSE	.4	1.5	2.2	1.1								5.6	7.4
S	.8	2.0	4.8	7.2	.6							11.3	9.5
SSW	1.0	3.1	5.8	4.1	.9							14.9	9.5
SW	.7	2.4	4.1	1.3	.2							6.8	8.2
WSW	.7	1.1	1.6	.3								3.7	6.5
W	.8	1.2	1.1	.2								3.3	6.2
WNW	.3	1.6	2.4	2.0	.7							7.3	9.7
NW	.4	1.1	3.2	1.4	.3	.1						6.7	9.5
NNW	.4	1.2	2.6	2.2								6.4	9.3
VARBL													
CALM												3.4	
	9.9	24.3	37.4	21.4	4.2	.1	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724057 STATION PHILLIPS/ABERDEEN MD STATION NAME 42-57 YEARS JUN MONTH 1800-2000 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.2	.4	.2								2.6	5.6
NNE	.4	1.3	1.1	.3		.1						3.3	7.2
NE	.6	.9	1.2	.1								2.2	6.0
ENE	.4	.3	.7	.4	.1							2.0	6.3
E	1.1	.8	2.2	.9	.2							5.2	7.7
ESE	.7	.4	1.7	1.4	.2							4.4	9.2
SE	1.0	2.1	2.7	.7								6.4	6.8
SSE	.6	2.0	1.7		.1							4.3	6.5
S	1.7	2.3	3.4	1.2								8.7	7.3
SSW	2.1	4.2	4.1	.9								11.3	6.5
SW	2.6	5.1	3.1	.6								11.3	5.8
WSW	1.5	2.1	.2									3.9	4.3
W	1.6	1.2	.8									3.6	4.8
WNW	.7	1.7	1.0	.4								3.6	6.1
NW	1.0	3.1	2.6	.3								7.2	6.5
NNW	.6	1.9	.7	.2								3.3	5.7
VARBL													
CALM												15.6	
	17.6	30.9	27.6	7.8	.7	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

49-57  
YEARS

JJA  
MONTH

ALL WEATHER  
CLASS

100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	1.0									2.1	5.1
NNE	.8	1.2	1.1									3.1	5.7
NE	.6	1.4	1.2	.4								3.7	6.6
ENE	.4	.4	1.6	.6	.1							3.1	8.6
E	.8	1.2	1.3	1.1	.3							4.8	8.3
ESE	.8	1.0	1.9	.3								4.0	6.9
SE	.9	1.3	2.1									4.2	6.2
SSE	1.0	1.6	1.2	.2								4.0	5.8
S	.7	2.2	2.0	.6	.1							5.6	6.9
SSW	2.2	2.2	1.4	.7	.1							6.7	5.8
SW	2.4	4.0	3.0	.3								9.8	5.5
WSW	1.2	1.7	1.0	.1								4.0	5.1
W	1.8	3.0	.4									5.2	4.2
WNW	.9	2.4	.4		.1							3.9	4.9
NW	1.0	2.3	1.7	.6								5.6	6.1
NNW	.8	1.7	1.7									4.1	5.9
VARBL													
CALM												25.2	
	17.1	28.9	23.1	4.9	.8							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72457 PHILLIPS/ABERDEEN MD 48-57 JUN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
ALL  
HOURS (L & Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	1.6	.4	.0							4.5	6.6
NNE	.6	1.5	1.3	.5	.1	.0						4.2	7.1
NE	.6	1.3	1.4	.5	.0							3.9	7.0
ENE	.5	1.0	2.0	1.1	.2	.0						4.6	8.8
E	.8	1.6	1.7	1.2	.1	.0	.0					5.5	8.2
ESE	.4	.9	1.1	.7	.2	.0						3.4	8.9
SE	.8	1.1	1.1	.4								3.4	8.5
SSE	.6	1.2	1.3	.3	.0							3.5	6.6
S	.0	1.7	2.6	1.1	.1							8.4	7.6
SSW	1.1	2.7	3.4	2.0	.3	.0						9.7	6.3
SW	1.3	2.6	2.7	.9	.0							7.4	6.9
WSW	1.3	1.7	1.4	.4	.1							4.8	6.0
W	1.5	1.7	.8	.3	.0							4.3	5.4
WNW	.9	2.0	1.5	1.0	.3	.0						5.2	7.7
NW	.0	2.2	2.2	.8	.1	.0						6.2	7.3
NNW	.8	1.8	2.4	1.3	.1							6.4	7.9
VARBL													
CALM												16.1	
	13.6	26.7	28.5	12.8	1.8	.2	.0					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724257 STATION PHILLIPS/ABERDEEN MD 45-57 YEARS JUL MONTH  
ALL WEATHER CLASS 000-2200 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	.9	.1								3.8	5.4
NNE	.9	1.6	1.8									4.2	5.9
NE	1.0	.8	1.2	.3								3.2	6.5
ENE	.6	.9	1.5	.3								3.3	7.0
E	.5	.8	.3	.9	.1							2.6	8.1
ESE	.2	.3		.1								.6	6.3
SE	.6	.4	.1	.3								1.5	6.1
SSE	1.4	.9	.4	.1								2.8	4.7
S	1.7	1.9	.5									4.2	4.3
SSW	1.5	2.7	1.6	.8								6.6	6.2
SW	2.0	2.7	2.0	.1								6.9	5.5
WSW	1.9	2.9	1.5	.1								6.5	4.8
W	2.7	2.8	.2	.1								5.3	4.1
WNW	1.7	2.7	.6	.1								5.2	4.8
NW	1.7	2.8	1.0	.1								5.6	5.1
NNW	1.4	2.3	1.5	.2	.1							5.5	5.6
VARBL													
CALM												31.8	
	21.7	28.1	15.3	3.7	.7							170.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION 724057 PHILLIPS/ABERDEEN MD STATION NAME 42-57 YEARS JUL MONTH 0300-0500 HOURS (LST) ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.9	1.6	.1								7.5	5.1
NNE	1.0	3.3	2.3	.2								6.3	5.7
NE	.8	1.8	.6	.3		.1						3.7	6.1
ENE	.3	.8	.8	.3								2.2	7.1
E	.1	.8	.2	.1								1.2	6.0
ESE	.4	.2	.1									.5	4.1
SE	.5		.1									.2	2.8
SSE	1.1	.6	.5	.1								2.4	5.2
S	1.0	1.1	.3	.2								2.4	5.4
SSW	.6	2.0	2.7	.6								6.0	7.2
SW	1.4	2.3	1.1									4.7	4.9
WSW	2.0	2.4	.3									4.7	4.1
W	2.9	1.9	.1									4.9	3.5
WNW	1.1	2.0	.8	.2								4.1	5.1
NW	1.3	2.0	1.4									4.7	5.3
NNW	1.9	2.5	1.4	.2								6.0	5.3
VARRI													
CALM												37.1	
	18.4	27.6	14.3	2.5		.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION 724057 PHILLIPS/ABERDEEN MD STATION NAME 48-57 YEARS JUL MONTH  
ALL WEATHER CLASS 0600-0800 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.2	2.4	.3								7.5	5.8
NNE	1.5	2.5	2.8	.3								7.1	6.2
NE	.9	1.7	2.2	.3	.1							5.1	7.0
ENE	.9	1.3	2.5	.9	.1							5.6	7.7
E	.3	.5	.9	.3								2.0	6.8
ESE	.4	.4	.5									1.4	5.2
SE	.6	.6	.2									1.5	4.4
SSE	.1	.4	.3	.1								1.0	6.8
S	.5	1.2	1.2	.1								3.0	6.2
SSW	.8	1.9	2.5	1.0								6.1	7.4
SW	1.6	2.5	3.0	.3								7.4	6.1
WSW	2.8	3.1	1.2	.1								7.2	4.7
W	1.6	1.6	.3	.1								3.7	4.4
WNW	1.7	1.2	.9	.1								3.9	4.9
NW	1.3	2.3	1.6	.2	.1							5.5	6.1
NNW	1.3	2.7	2.7	.8								7.4	6.6
VARBL													
CALM												24.6	
	17.8	27.2	25.1	4.9	.3							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72457  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

45-57  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0200-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	1.7	.4								5.5	5.9
NNE	.9	.8	2.6	.5	.1							4.2	7.6
NE	.6	1.7	1.2	.4	.1							4.1	6.7
ENE	.3	2.7	3.8	.9								5.2	7.1
E	.5	1.4	1.1	1.0	.3							4.4	6.2
ESE	.6	1.3	1.2	.3								3.4	6.5
SE	.5	.8	1.3									2.2	6.2
SSE	.4	1.1	1.1	.1								3.7	6.2
S	.2	1.1	2.2	.9	.1							4.4	6.3
SSW	.9	3.1	4.2	2.3	.1							13.5	7.9
SW	1.5	3.0	5.3	1.5	.1							11.4	7.4
WSW	1.3	2.5	.8	.3	.1							4.3	6.6
W	1.5	.8	1.2	.4								3.7	6.2
WNW	1.3	1.4	2.2	.5	.2							5.3	7.2
NW	1.7	1.9	3.2	1.0								7.6	7.1
NNW	1.2	2.6	3.1	1.4								8.3	7.4
VARBL													
CALM												8.2	
	15.2	28.1	35.7	11.9	1.2							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

930

USAFETAC

FORM  
JUL 64

0-8.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72457 STATION PHILLIPS/ABERDEEN MW STATION NAME 45-57 YEARS 141 MONTH

ALL WEATHER

1240-1400 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	.5	.7								2.2	6.2
NNE	.3	.5	1.4									2.5	6.6
NE	.6	.9	1.2	.2								2.8	6.4
ENE	.6	1.3	1.9	1.3		.1						5.9	7.8
E	.3	1.8	1.2	.6								4.5	6.7
ESE	.2	1.4	1.0	.3	.2							4.7	7.0
SE	.1	1.7	1.1	.1								2.6	6.8
SSE	.1	1.2	4.1	.4								5.5	7.9
S	.4	1.0	4.3	1.0	.4							9.0	9.1
SSW	.6	2.6	7.7	4.4	.5							10.4	9.5
SW	.5	1.8	3.7	2.6	.1							9.8	8.8
WSW	.9	.9	2.7	.9	.1							5.4	7.9
W	.4	1.1	1.4	.6	.1							3.5	6.0
WNW	.3	1.2	2.5	.9	.4							5.5	6.7
NW	1.1	1.6	3.5	2.5	.3							9.7	6.9
NNW	.5	1.7	3.4	1.0	.7							7.0	6.1
VARBL													
CALM												4.3	
	9.1	23.4	42.0	18.4	2.6	.1						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAG

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72457 PHILLIPS/ABERDEEN MD 42-57 J-1

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

15-2-1772

HOURS - L.S.T.

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	.6	.3		.1						2.2	7.1
NNE			.6	.3								1.7	6.2
NE	.3	.6	1.1									4.0	6.5
ENE	.3	1.5	1.7	1.7	.1							4.8	6.1
E		1.8	1.1	.5	.1							4.3	6.7
ESE	.3	.4	1.3	.2	.2							2.5	6.3
SE	.4	1.1	1.3	.3								3.1	6.7
SSE	.6	2.9	2.7	1.1								7.2	7.3
S	1.5	2.0	4.2	2.0	.5	.1						11.9	2.6
SSW	.7	3.1	5.7	4.7	1.1							15.0	9.7
SW	1.7	3.0	5.2	2.6								12.0	7.7
WSW	.3	1.1	1.2		.1							3.9	6.5
W	1.7	.6	1.4	.5								4.1	6.4
WNW	.5	1.7	1.7	1.1	.1							4.0	6.2
NW	1.1	1.0	2.8	1.8								7.6	7.9
NNW	.6	1.2	2.0	.6								5.6	7.7
VARBL													
CAIM												4.7	
	12.2	25.3	22.4	17.4	2.7	.2						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

272

GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

704157 PHILLIPS/ABERDEEN MO 42-57

STATION

STATION NAME

YEARS

JUL  
 MONTH

ALL WEATHER

CLASS

1000-1000  
 HOURS U.S.T.

CONDITION

SPEED KNTS DIP	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.7	.6	.8								1.0	1.0
NNE	.1	.2	.2	.2								1.0	1.0
NE	.1	.2	.2	.2								1.3	1.0
ENE		.1	.2	.2								1.7	1.0
E		1.7	.6	.2	.7							2.5	1.0
ESE	.3	1.1	1.1	.2								1.7	1.4
SE	.4	.2	1.1	.2	.1							1.2	1.0
SSE	.3	1.4	2.1	.4	.1							4.0	7.7
S	2.4	3.4	1.6	.6								4.1	1.0
SSW	2.4	4.5	2.7	1.6	.7							14.1	7.0
SW	3.3	4.0	1.0	.1								11.4	6.0
WSW	1.1	2.4	1.1									1.0	4.0
W	1.1	1.6	.4									3.1	1.0
WNW	.1	1.7	.7		.1							2.1	1.0
NW	1.1	2.0	1.1	.6	.1	.1						1.0	1.0
NNW	1.1	1.6	.7		.2							1.4	1.0
VARBL												1.1	
CALM												1.1	
	12.2	7.0	11.3	6.7	1.2	.1						11.0	7.2

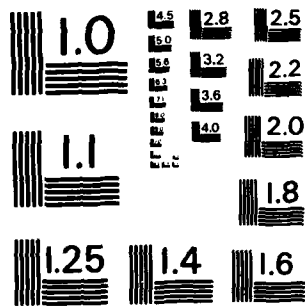
TOTAL NUMBER OF OBSERVATIONS

UNCLASSIFIED

PHILLIPS ABERDEEN MARYLAND REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. 03 NOV 83  
USAFETAC/DS-83/047 SBI-AD-E850 500 F/G 4/2

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NI



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD 48-57 YEARS JUL MONTHS  
ALL WEATHER CLIM 2100-2300 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1	.8	.3								2.4	7.0
NNE	.1	.4	.8	.2								1.5	7.3
NE	.2	.5	1.1	.4								2.3	7.9
ENE	.3	.8	.4	.2								1.7	6.7
E	.9	.5	.4	.5	.3	.1						2.8	9.1
ESE	1.0	1.4	.3									2.7	4.6
SE	.5	1.2	1.0		.1							2.8	6.2
SSE	1.0	1.5	1.2	.2								3.9	5.8
S	1.5	2.7	1.6	.4								6.2	5.6
SSW	2.4	3.4	2.5	.9	.1							9.2	6.3
SW	2.5	4.4	3.3	.2								10.4	5.7
WSW	2.0	2.5	1.0									5.5	4.6
W	2.6	2.3	.2	.1								5.2	3.9
WNW	1.7	3.4	.1	.1								5.4	4.3
NW	1.6	2.5	.6	.1								4.8	4.7
NNW	.9	2.2	.8			.1						3.9	5.7
VARBL													
CALM												29.4	
	19.4	30.8	16.0	3.8	.5	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.1	1.2	.3		.0						4.5	5.9
NNE	.6	1.4	1.6	.2	.0							3.7	6.5
NE	.6	1.1	1.1	.3	.0	.0						3.2	6.7
ENE	.6	1.2	1.6	.7	.0	.0						4.2	7.6
E	.6	1.1	.7	.6	.1	.0						3.2	7.6
ESE	.6	.8	.8	.1	.1							2.4	6.4
SE	.5	.8	.8	.1	.0							2.2	6.3
SSE	.7	1.2	1.6	.3	.0							3.8	6.7
S	1.2	2.0	2.0	.8	.1	.0						6.1	7.1
SSW	1.2	2.9	4.3	2.0	.3							10.7	8.0
SW	1.8	3.1	3.3	.9	.0							9.1	6.6
WSW	1.7	2.2	1.3	.2	.0							5.4	5.3
W	1.8	1.6	.7	.3	.0							4.4	4.9
WNW	1.2	1.8	1.1	.4	.1							4.6	6.2
NW	1.4	2.2	1.9	.8	.1	.0						6.3	6.7
NNW	1.1	2.1	2.0	.6	.1	.0						5.9	6.7
VARBL													
CALM												20.2	
	16.4	27.6	26.1	8.6	1.0	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

48-57  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.5	1.9	.3								7.7	5.3
NNE	1.1	2.0	2.6	.1								5.8	6.1
NE	1.9	1.5	1.8	.1								5.4	5.3
ENE	.8	1.0	.9	.5	.1	.2	.1					3.5	8.9
E	.4	.9	1.2	.1								2.6	6.7
ESE	.5	.2	.1	.2								1.1	6.0
SE	.3	1.2	.2	.1		.1						1.9	6.4
SSE	.2	.9	.8		.1							1.9	6.6
S	1.0	1.7	1.7	.4								4.8	6.3
SSW	1.3	1.3	.9	.1								3.5	5.2
SW	.8	1.4	1.0	.1								3.2	5.9
WSW	1.8	2.3	.6	.2								4.9	4.8
W	3.3	4.2	.5									8.1	4.0
WNW	1.2	1.8	.4	.2								3.7	5.1
NW	1.8	1.6	1.7	.3								5.5	5.7
NNW	1.8	1.9	1.9	.4								6.1	5.9
VARBL													
CALM												30.1	
	20.2	27.4	18.3	3.3	.2	.3	.1					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.4	3.2	.6								11.3	5.7
NNE	2.0	3.5	2.3	.3								8.2	5.7
NE	2.6	1.0	1.9	.2								5.7	5.5
ENE	.6	.1	1.0	.1		.1						1.9	7.9
E	.8	.9	.4									2.0	4.6
ESE	.1	.3	.4	.3		.2						1.4	10.7
SE	.2	.8	.4	.1								1.5	6.0
SSE	1.1	.6	.8	.2								2.7	5.7
S	.4	1.3	.6	.3	.1							2.8	6.8
SSW	.5	.8	.4	.1	.1							1.9	6.4
SW	.8	1.5	1.2	.2								3.7	6.0
WSW	1.6	1.0	.4									3.0	4.1
W	1.4	2.8	.8									4.9	4.7
WNW	1.2	1.9	.1	.4								3.7	5.4
NW	1.3	2.4	1.2	.2								5.1	5.6
NNW	2.3	2.4	2.3	.3								7.2	5.4
VARBL													
CALM												33.0	
	19.9	25.6	17.4	3.5	.2	.3						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

88-57  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.5	2.7	.4								7.5	6.1
NNE	1.9	3.0	2.5	.8								8.2	6.1
NE	1.3	2.7	2.7	.9	.1							7.6	6.8
ENE	1.3	1.3	2.9	1.5	.4							7.4	8.6
E	.8	.8	.4	.2								2.2	5.9
ESE	.6	.2	.4	.1		.2						1.6	8.3
SE	.1	1.4	1.0	.3								2.8	7.0
SSE	.3	1.0	1.4	.4		.1						3.2	8.1
S	.2	1.1	1.4	.1	.1							2.9	6.8
SSW	.8	.3	1.1	.5		.1						2.8	7.9
SW	1.0	1.3	.4	.4	.3							3.4	7.1
WSW	1.5	1.5	1.0	.3								4.3	5.2
W	1.5	1.1										2.6	3.4
WNW	.4	2.6	1.0	.2								4.2	5.8
NW	.9	2.2	1.3	.6	.2							5.2	6.8
NNW	1.0	2.5	3.0	1.2	.1							7.7	7.3
VARBL													
CALM												26.3	
	15.5	25.3	23.1	8.1	1.3	.4						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

98-57  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.0	2.5	.5								5.6	7.4
NNE	.6	1.4	2.0	1.5	.1							5.7	8.3
NE	.3	1.2	2.2	.8	.1							4.5	8.4
ENE	.5	2.2	5.9	2.3	.4	.1						11.4	9.1
E	.6	1.9	1.9	.3	.1							4.9	6.6
ESE	.3	.6	1.5	.5								3.0	8.1
SE	.8	1.0	1.1	.1								2.9	5.6
SSE	1.0	1.5	2.6	.5	.1	.2						5.9	7.6
S	1.1	.6	2.5	.9	.4	.1						5.6	8.5
SSW	.3	1.4	2.7	1.7	.1							6.2	8.6
SW	1.7	1.6	1.7	.9	.1							6.0	6.7
WSW	.3	1.2	1.7	.3								3.5	7.0
W	.8	.8	.9	.3								2.7	6.1
WNW	.4	1.5	2.3	.8	.1							5.1	7.8
NW	1.1	2.3	2.2	1.6	.5	.1						7.7	8.5
NNW	1.8	2.4	3.0	1.6	.3							9.1	7.4
VARBL													
CALM												10.0	
	12.3	23.5	36.6	14.6	2.5	.5						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

88-57  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.8	1.4	.6	.1							4.6	7.2
NNE	.2	.9	.8	.9								2.7	8.3
NE	.2	.8	.5	.6	.1	.1						2.9	9.5
ENE	.6	3.2	4.0	.5	.3	.1						8.8	7.8
E	.9	1.4	1.7	1.0								4.9	7.3
ESE	.3	1.0	1.4	.8	.1							3.5	8.2
SE	.8	1.3	2.0	.3								4.9	7.0
SSE	.6	2.4	2.9	1.3	.3							7.5	8.0
S	.5	1.5	4.5	2.4	.4	.1						9.5	9.4
SSW	.9	1.1	4.2	2.6	.6							9.4	9.4
SW	1.0	2.2	2.8	1.1								7.0	7.2
WSW		.6	1.4	.6	.1							2.8	9.0
W	.8	.9	1.3	.8								3.7	7.4
WNW	1.0	1.0	3.3	1.0	.1							6.3	7.6
NW	1.0	3.0	2.9	1.7	.8							9.4	8.3
NNW	.8	1.8	3.0	2.7								8.3	8.8
VARBL													
CALM												4.8	
	10.1	24.7	38.2	18.8	3.0	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

98-57  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.4	2.2	.6	.1	.2						5.3	7.8
NNE	.8	.5	1.0	.6								2.9	7.3
NE	.2	1.4	1.2	.4		.2	.1					3.5	8.8
ENE	.3	1.7	2.2	.8								4.9	7.5
E	.9	1.7	1.6	1.0	.1							5.3	7.5
ESE	.2	1.3	1.3	.8	.4							4.0	8.6
SE	.2	1.3	1.7	.2								3.4	7.0
SSE	.6	2.6	1.7	1.3	.1							6.3	7.3
S	1.1	2.7	5.1	2.0	.3							11.2	8.4
SSW	.8	3.1	4.9	4.4	.5							13.8	9.2
SW	1.3	2.3	2.5	1.5	.2							7.7	7.7
WSW	.3	1.0	1.0	.3	.1							2.7	7.6
W	.5	.9	1.5	.4								3.3	7.1
WNW	.4	1.4	1.8	.3	.1							4.1	7.6
NW	1.6	2.2	2.7	1.6	.4		.1					8.6	8.3
NNW	1.2	1.7	3.2	1.7		.1						8.0	8.0
VARBL													
CALM												4.9	
	11.2	27.1	35.5	18.1	2.5	.5	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

724057 PHILLIPS/ABERDEEN MD 48-57 1800-2000  
STATION NAME YEARS DATE  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.2	1.4	.4	.1							8.6	6.1
NNE	.3	.5	1.0	.4								2.3	7.7
NE	.8	1.2	.9	.4	.1	.2	.1					3.7	8.5
ENE	.8	.4	.9	.2								2.3	6.3
E	1.0	1.2	1.1	.3	.1							3.7	6.5
ESE	.4	2.3	1.5	.8	.1							5.1	7.5
SE	.5	2.0	2.4	.3	.1							5.4	6.7
SSE	1.1	1.5	1.8	.4								4.8	6.3
S	1.6	2.4	2.2	.8	.1							7.0	6.4
SSW	2.5	2.0	2.4	1.3	.3							8.5	6.9
SW	1.5	2.8	2.8	.4								7.5	6.1
WSW	1.2	1.5	.4									3.1	4.9
W	2.0	1.1	.3									3.4	3.8
WNW	1.4	1.5	.9	.1	.1							4.0	5.4
NW	2.2	2.5	1.4	.2								6.2	5.1
NNW	1.4	1.9	1.8	.3								5.5	6.1
VARBL													
CALM												23.0	
	20.1	26.0	23.0	6.5	1.1	.2	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD STATION NAME 48-57 YEARS  
ALL WEATHER CLASS  
CONDITION  
AUG MONTH 2100-2300 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.8	2.3	.5								4.4	7.5
NNE	.8	.9	1.5	.4	.1							3.7	7.0
NE	1.0	1.0	1.4			.1	.1					3.5	7.0
ENE	.4	.8	.5	.4		.1						2.3	7.8
E	.5	1.4	1.5	.6	.1							4.2	7.5
ESE	.8	1.0	1.2	.5	.3							3.8	8.2
SE	.5	1.6	1.9									4.1	6.1
SSE	1.4	.9	1.4	.2								3.9	5.7
S	2.2	2.2	1.3	.6	.1							6.3	6.0
SSW	1.2	.8	1.1	.5	.1							3.7	6.8
SW	1.2	2.3	1.5	.5								5.5	6.1
WSW	1.0	2.2	.5									3.7	4.7
W	2.3	3.3	.4									6.0	4.1
WNW	1.6	2.0	.9	.2								4.7	5.0
NW	1.6	2.2	.6	.2								4.6	4.7
NNW	1.2	2.5	.9									4.5	4.8
VARBL													
CALM												31.2	
	18.4	25.5	18.9	4.9	.8	.2	.1					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD STATION NAME 48-57 YEARS  
ALL WEATHER CLASS  
CONDITION  
AUG NORTH  
ALL HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.2	2.2	.5	.0	.0						6.4	6.4
NNE	1.0	1.6	1.7	.6	.0							4.9	6.8
NE	1.0	1.3	1.6	.4	.1	.1	.0					4.5	7.1
ENE	.7	1.3	2.3	.8	.2	.1	.0					5.3	8.3
E	.7	1.3	1.2	.4	.1							3.7	6.8
ESE	.4	.9	1.0	.5	.1	.1						2.9	8.2
SE	.4	1.3	1.3	.2	.0	.0						3.3	6.5
SSE	.8	1.4	1.7	.6	.1	.0						4.5	7.1
S	1.0	1.7	2.4	.9	.2	.0						6.3	7.6
SSW	1.0	1.3	2.2	1.4	.2	.0						6.2	8.2
SW	1.1	1.9	1.7	.6	.1							5.5	6.7
WSW	1.0	1.4	.9	.2	.0							3.5	5.7
W	1.6	1.9	.7	.2								4.3	4.9
WNW	1.0	1.7	1.3	.4	.1							4.5	6.4
NW	1.4	2.3	1.7	.8	.2	.0	.0					6.5	6.9
NNW	1.4	2.1	2.4	1.0	.1	.0						7.1	6.9
VARBL													
CALM												20.4	
	16.0	25.6	26.4	9.7	1.4	.4	.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724057      PHILLIPS/ABERDEEN MD      42-57      S.E.P.  
STATION      STATION NAME      YEARS      NORTH

ALL WEATHER  
CLASS

0000-0000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.8	3.1	.1								8.9	5.7
NNE	1.1	2.6	1.4	.2	.2							5.6	6.2
NE	.6	1.9	1.8	.7	.4							5.3	7.8
ENE	.7	.8	1.2	1.0	.2	.2						4.1	9.2
E	.8	.6	.9	.2	.4							2.9	7.9
ESE	.3		.2									.6	5.8
SE	1.0	.4	.1									1.6	3.8
SSE	.3	1.0	.3									1.7	5.2
S	1.2	1.6	1.6	.4	.6							5.3	7.3
SSW	.2	1.1	1.3	.7	.2							3.5	8.4
SW	1.4	2.4	.7									4.6	4.9
WSW	1.2	1.6										2.3	3.8
W	1.4	1.7	.6		.1							3.8	5.1
WNW	1.7	.7	.8	.1								3.2	4.9
NW	2.0	1.7	1.4	.1								5.2	5.1
NNW	1.2	3.1	2.1	.2								6.7	5.9
VARBL													
CALM												34.3	
	17.1	24.8	17.6	3.8	2.2	.2						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS      900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724257 STATION PHILLIPS/ABERDEEN MD STATION NAME 48-57 YEARS SEP MONTH 0300-2500 HOURS (LST)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	6.6	4.6	.7	.1							13.8	6.3
NNE	1.0	3.3	1.4	.4								6.2	6.0
NE	.6	2.0	1.1	.7	.2	.1						4.7	7.8
ENE	.2	.4	1.4	.8	.4		.1					3.4	10.3
E	.6	.7	1.3	.6	.3	.1						3.6	8.8
ESE	.7	.1	.2									.7	5.3
SE	.6	1.0	.1	.1								1.2	4.9
SSE	.5	1.1	.2	.2								2.3	5.1
S	.3	.8	.9	.4	.1							3.0	7.0
SSW	.1	.8	.6	.6								2.0	8.1
SW	.9	2.1	.9	.4								4.3	6.0
WSW	1.1	.6	.2	.1								2.0	4.3
W	1.7	2.0	.2	.1								4.0	4.3
WNW	.4	1.1	.4		.1							2.1	5.9
NW	1.8	2.1	1.1	.1								5.1	4.9
NNW	1.2	3.2	2.1	.4								7.6	5.8
VARBL													
CALM												3.4	
	14.4	27.9	16.9	5.7	1.3	.2	.1					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057      PHILLIPS/ABERDEEN MD      48-57      SEP

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      6500-2800

CLASS      HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.7	3.6	.9	.2							11.1	6.6
NNE	2.0	3.4	2.4	.6								8.4	6.1
NE	1.2	2.7	2.6	1.3	.1							7.2	7.3
ENE	.3	.6	1.8	1.7	.3							4.7	10.2
E	1.2	1.4	.8	.7								4.1	6.1
ESE		.2	.6	.2								1.0	9.0
SE	.4	1.3	.2		.1							2.1	5.3
SSE	.2	.8	1.2	.1		.1						2.4	7.5
S	.9	.7	1.4	.7	.2							3.5	8.2
SSW	.6	1.1	.6	.8	.1							3.1	7.6
SW	1.0	3.0	1.3	.3								5.7	5.8
WSW	1.4	1.1	.6									3.1	4.6
W	1.7	1.1	.9									3.7	5.0
WNW	.6	1.4	.3		.1							2.4	5.3
NW	1.0	1.6	2.0	.3	.1							5.0	7.0
NNW	1.1	3.3	2.4	1.3	.1							8.3	7.1
VARBL													
CALM												23.9	
	15.3	27.8	22.7	8.9	1.4	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS      920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD STATION NAME 49-57 YEARS SEP MONTH 2900-1100 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.4	4.8	1.1	.2							9.3	7.7
NNE	.3	2.0	1.7	1.1	.3							5.4	8.5
NE	.7	2.9	3.1	1.3	.2	.1						8.3	8.1
ENE	.8	2.0	3.6	2.6	.1							9.0	8.8
E	1.2	1.4	1.3	2.1	.2							6.3	8.3
ESE	.3	1.1	.8	.3								2.6	7.1
SE	.1	.9	1.0	.4								2.4	7.6
SSE	.2	1.1	1.2	.3								2.9	7.2
S	.4	1.3	3.0	1.6	.4							6.8	9.2
SSW	.6	.9	3.1	2.8	.2							7.6	9.8
SW	.5	2.1	3.8	1.9	.7							9.2	8.9
WSW	.7	1.1	1.0	1.0								3.8	7.5
W	.7	.8	1.0	.2								2.7	6.2
WNW		.7	1.2	1.3	.2							3.4	10.7
NW	.7	.6	1.0	1.6		.1						3.9	9.6
NNW	.7	1.2	3.3	2.8	.3	.1						8.4	9.5
VARBL													
CALM												7.9	
	8.9	22.6	34.9	22.4	3.0	.3						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MD 48-57 SEP  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 1200-1400  
CLASS HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	2.7	1.1	.2							5.4	8.7
NNE	.7	1.6	1.9	.6	.1							4.8	7.6
NE	.6	1.1	2.0	.6		.2						4.4	8.1
ENE	1.0	1.0	2.2	1.6	.4							6.2	9.1
E	.6	1.3	2.9	.8								5.6	7.9
ESE	.8	.6	1.1	1.0								3.4	8.3
SE	.7	1.3	1.1		.1							3.2	6.0
SSE	.7	1.1	1.1	.3								3.2	6.6
S	.2	2.8	2.4	2.7	.8							8.9	9.6
SSW	.2	1.4	4.3	4.9	.4							11.3	10.5
SW	1.1	2.7	3.2	3.2	.4							10.7	8.9
WSW	.2	1.0	1.2	.8	.2							3.4	8.4
W	.6	1.0	1.1	.3	.3							3.3	8.3
WNW	.3	.1	.8	1.9	.1							3.2	10.8
NW	.8	1.9	2.1	2.3	.4	.1						7.7	9.3
NNW	.4	1.7	3.7	3.0	.3	.1						9.2	9.8
VARBL													
CALM												5.9	
	9.1	21.7	33.9	25.0	4.0	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD 48-57 YEARS SEP MONTHS 1500-1700 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.8	2.0	.3	.1							4.6	7.3
NNE	.2	1.7	1.4	.8								4.1	7.7
NE	.6	1.7	1.9	.6	.6							4.6	8.6
ENE	.9	1.6	1.7	1.2	.3							5.7	8.2
E	1.6	1.7	.8									4.7	8.8
ESE	.3	1.7	.8	.9								3.7	7.5
SE	.9	.9	.9	.6								3.1	6.4
SSE	.3	1.9	1.1	.2								3.6	6.5
S	1.2	2.7	2.6	2.1	.3							8.9	7.9
SSW	1.1	3.3	6.4	4.1	.4							15.4	9.1
SW	1.4	3.4	3.0	1.2	.2							9.3	7.0
WSW	.4	1.1	1.0	.3								2.9	6.5
W	.4	.6	.3	.2	.2							1.8	7.9
WNW	.6	.8	1.3	.4	.3							3.4	8.4
NW	.6	2.9	2.3	.9	.3							7.0	7.6
NNW	.2	2.3	3.2	1.9	.6	.1	.2					9.1	9.5
VARBL													
CALM												8.9	
	11.6	29.2	30.8	15.8	3.4	.1	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

SEP  
MONTHS

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.7	.8	.1	.1							5.2	5.2
NNE	.6	1.2	1.6	.3								3.7	6.7
NE	.9	1.0	1.1	.3	.3							3.6	7.7
ENE	.2	1.2	.8	1.1	.4	.1						3.9	9.9
E	.3	1.0	1.2	1.0								3.6	8.3
ESE	.4	1.2	.7	.2								2.6	6.3
SE	.7	1.2	1.1	.4								3.4	6.6
SSE	.4	1.0	1.1	.4								3.0	7.0
S	1.3	2.2	2.8	1.7								8.0	7.5
SSW	1.9	2.9	1.7	.7								7.1	5.9
SW	2.8	3.2	.9	.4		.1						7.4	5.0
WSW	1.4	2.0	.6	.2	.1							4.3	5.5
W	1.1	.6	.3									2.0	4.2
WNW	.9	1.2	.8									2.9	5.0
NW	1.8	2.7	1.0	.2								5.7	5.0
NNW	1.8	3.7	2.1	.3								7.9	5.6
VARBL													
CALM												25.8	
	18.0	29.0	18.4	7.6	1.0	.2						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MD 48-57 SEP  
STATION STATION NAME YEARS MONTHS  
ALL WEATHER 2100-2300  
CLASS HOURS (L & T)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.6	1.9	.2								6.9	5.6
NNE	1.2	1.3	.8	.4								3.8	5.8
NE	.4	1.0	1.2	.8	.4							3.9	9.9
ENE	.2	1.1	.8	1.1		.3						3.6	9.9
E	.4	1.1	1.4	1.0								4.0	8.0
ESE	.3	.4	.4									1.2	6.1
SE	.4	.7	.6	.1								1.8	6.1
SSE	.6	1.7	1.1	.4								3.8	6.5
S	1.3	2.3	1.7	1.3								6.7	7.0
SSW	.6	1.1	1.0	1.0								3.7	7.9
SW	1.2	2.0	1.2	.4								4.9	6.1
WSW	.4	1.9	.6									2.9	5.2
W	1.6	1.6	.2									3.3	4.2
WNW	1.0	1.7	.3	.3								3.3	5.3
NW	1.2	2.7	1.6	.3								5.8	5.8
NNW	2.0	2.8	2.0	.4	.1							7.3	5.9
VARBL													
CALM												33.2	
	14.2	26.9	16.8	8.0	.6	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MD 48-57  
STATION STATION NAME YEAR MONTH  
ALL WEATHER CLASS SEP  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.3	2.9	.6	.1							6.2	6.6
NNE	.9	2.1	1.6	.6	.1							5.2	6.0
NE	.7	1.6	1.8	.8	.3	.1						5.2	8.0
ENE	.5	1.1	1.7	1.4	.3	.1	.0					5.1	9.3
E	.8	1.2	1.3	.8	.1	.0						4.2	7.5
ESE	.4	.7	.6	.3								2.0	7.2
SE	.6	1.0	.6	.2	.0							2.4	6.0
SSE	.4	1.2	.9	.3		.0						2.9	6.5
S	.9	1.8	2.0	1.4	.3							6.4	8.1
SSW	.7	1.6	2.4	1.9	.2							6.7	8.8
SW	1.3	2.6	1.9	1.0	.2	.0						7.0	7.0
WSW	.6	1.3	.6	.3	.0							3.2	5.9
W	1.1	1.2	.6	.1	.1							3.1	5.5
WNW	.7	1.0	.7	.5	.1							3.0	7.2
NW	1.2	2.0	1.6	.7	.1	.0						5.7	6.9
NNW	1.2	2.7	2.6	1.3	.2	.0	.0					8.1	7.6
VARBL													
CALM												21.7	
	13.6	26.2	24.0	12.1	2.1	.2	.0					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

49-57  
YEARS

001  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	4.4	2.9	1.6	.4	.1						10.1	7.9
NNE	.5	4.1	3.5	1.5								9.7	7.5
NE	.5	3.0	3.1	1.4								8.1	7.9
ENE	.6	.9	.9	2.2								4.5	9.5
E	1.3	.6	.4	.3	.1							2.8	5.9
ESE	.3	.2	.1	.1								.8	6.1
SE	.3	.3	.4	.1								1.2	6.1
SSE	.1	.3	.4	.2								1.1	7.6
S	.5	1.2	.4	.2								2.4	6.2
SSW	.2	.4	.9	.8	.1							2.4	9.3
SW	1.0	2.2	1.0	.9	.1							5.1	6.6
WSW	1.1	2.7	.3									4.1	4.7
W	.6	2.5	.9									4.0	5.0
WNW	.5	2.2	1.1	.4								4.2	6.3
NW	1.1	2.6	1.7	.5								5.9	6.3
NNW	.6	2.9	2.2	.8	.2							6.7	7.3
VARBL													
CALM												27.3	
	10.0	30.4	20.2	11.0	1.0	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057      PHILLIPS/ABERDEEN MD      48-57      061  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      0300-0500  
CLASS      HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	5.1	4.7	.8	.3							12.7	6.8
NNE	.9	3.3	3.5	2.5	.2	.1						10.5	6.4
NE	.6	2.3	2.6	1.6								7.1	7.9
ENE	.8	1.4	.9	1.8	.1							4.9	8.4
E	.4	1.4	.4	.2								2.5	5.8
ESE	.1	.2	.2	.6								1.2	10.5
SE	.4		.2		.1							.8	6.4
SSE	.4	.2	.1									.8	4.0
S	.6	.5		.3								1.6	5.7
SSW	.2	.4	1.1	.1								1.8	7.5
SW	.9	2.2	1.2	.4								4.6	6.0
WSW	.5	1.5	.4	.1								2.6	5.2
W	1.3	2.4	.9	.1								4.6	4.8
WNW	.9	1.5	1.2	.4								4.0	6.4
NW	1.1	2.6	1.8	.5								6.0	6.2
NNW	.8	3.9	4.0	.5	.6							9.8	7.5
VARBL													
CALM												24.5	
	11.7	28.9	23.2	10.1	1.4	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS      930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

001  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.5	5.7	1.1	.3							12.2	7.2
NNE	1.0	3.2	3.1	2.9	.4	.1						10.8	8.6
NE	1.2	1.9	2.6	2.2	.4							8.3	6.5
ENE	.4	1.2	1.6	1.8	.3							5.4	9.5
E	.4	1.1	1.3	.1								2.9	6.2
ESE	.2	.1	.4	.6	.1							1.5	10.0
SE	.4	.1	.2	.1								.9	6.1
SSE	.5	.2	.3	.2								1.3	6.0
S	.3	.4	.3	.2								1.3	6.3
SSW	.2	.5	.5	.5	.1							1.9	8.4
SW	1.0	1.9	1.0	.4	.2							4.5	6.9
WSW	1.2	1.3	.6	.2								3.3	5.5
W	1.3	1.6	.6	.1								3.7	4.7
WNW	.8	2.5	1.2	.1	.1	.1						4.7	6.2
NW	1.5	1.9	1.9	.3	.3							6.0	6.6
NNW	1.2	2.7	2.3	1.4	.9							8.4	8.4
VARBL													
CALM												23.0	
	13.1	24.3	23.8	12.4	3.2	.2						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

724257  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

CCY  
MONTH

ALL WEATHER  
CLASS

0000-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	3.1	3.7	.9							6.5	11.1
NNE	.2	1.9	3.1	3.4	.5							9.2	10.0
NE	.2	1.8	2.9	2.5	.1	.1						7.6	9.5
ENE	.3	2.2	3.8	4.4	.5							11.2	10.2
E	1.0	1.2	1.3	1.3	.1							4.8	7.9
ESE	.5	.6	.3	.1	.2							1.8	7.0
SE	.2	.9	.1	.1	.1							1.4	6.0
SSE	.5	1.0	.5	.3	.1							2.5	6.7
S	.1	.5	1.5	1.1								3.2	9.3
SSW	.8	1.6	1.6	1.4	.9							6.2	9.2
SW	1.2	1.4	2.5	1.1								6.1	7.7
WSW	1.1	1.9	1.7	.8								5.5	6.8
W	.6	.8	1.4	.4	.1							3.3	7.4
WNW	.5	.3	2.0	1.0	.1	.1						4.1	9.3
NW	.2	.9	.9	1.8	.6							4.4	11.6
NNW	.3	1.1	3.9	3.9	1.2	.2						10.5	11.3
VARBL													
CALM												9.5	
	3.1	18.7	30.6	27.2	5.5	.4						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

724257 STATION PHILLIPS/ABERDEEN MD STATION NAME 48-57 YEARS GCI MONTH 1200-1400 HOURS (LST) CLASS ALL WEATHER CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.4	1.0	3.0	2.7	.6		.1					7.8 12.4
NNE	.1	1.0	2.2	1.8	.2							5.3 9.6
NE	.3	1.6	2.2	1.7	.2	.2	.1					8.3 12.2
ENE	.5	1.4	3.3	3.9	.3							9.5 12.2
E	.3	1.0	1.9	1.0	.2							4.4 9.1
ESE	.1	1.3	1.0	.5		.1	.2					3.2 9.5
SE	.5	.8	.3									1.6 5.1
SSE	.2	.3	1.9	.2								3.1 7.7
S	.3	1.0	1.3	1.1	.3	.1						4.1 9.4
SSW	.6	2.7	3.3	2.8	1.4	.3						12.5 16.7
SW	.6	2.0	4.2	1.9	.1							8.9 8.3
WSW	1.4	1.5	1.6	.9	.1							5.5 6.8
W	.3	.4	.9	.9	.1							2.6 9.3
WNW	.3	1.3	1.3	1.7								4.6 9.1
NW	.4	1.7	2.7	2.4	.8	.1						8.1 12.1
NNW	.2	.6	3.7	4.0	1.2	.2						9.9 11.6
VARBL												
CALM												4.5
	6.9	19.4	34.7	27.4	5.6	1.1	.4					100.3 9.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724057 PHILLIPS/ABERDEEN, MD 49-57 267  
STATION STATION NAME YEARS MONTHS  
ALL WEATHER 15.2-1700  
CLASS HOURS (L E T)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	3.5	1.6	.3	.1						7.7	9.0
NNE	.1	1.6	2.7	1.2	.2							5.2	8.9
NE	.1	1.6	1.4	.9	.1		.1					4.2	5.9
ENE	.9	2.0	1.6	2.2	.4	.1						7.2	8.9
E	.9	1.2	1.8	1.1								4.7	6.0
ESE	.2	1.4	1.0		.1			.1	.1			2.9	9.2
SE	.4	1.3		.1				.1				1.9	6.7
SSE	.3	1.1	.4	.3								2.2	6.7
S	.9	2.0	2.5	1.3	.3							7.3	8.3
SSW	1.3	3.1	4.4	1.5	.6	.1						11.1	6.2
SW	1.1	3.5	2.3	.5								7.4	6.3
WSW	1.1	1.3	.9	.4								3.7	6.1
W	.4	1.5	.5	.5		.1						3.1	7.3
WNW	.3	1.3	2.4	.6	.2							4.3	5.4
NW	1.2	2.3	2.4	2.3	.2							8.3	8.4
NNW	.5	1.9	3.2	1.4	.5							7.7	8.8
VARBL													
CALM												10.6	
	10.4	28.7	30.3	15.9	3.1	.4	.1	.2	.1			100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

724257 STATION PHILLIPS/ABERDEEN MD STATION NAME 48-57 YEARS 661 MONTH 1800-2000 HOURS (LST) CLASS ALL WEATHER CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.8	2.3	.5	.2							6.2	6.7
NNE	.3	1.4	1.4	1.2	.1	.2						5.1	8.5
NE	.8	1.1	1.9	.5		.1						4.4	7.8
ENE	.6	1.1	1.5	1.6	.1							4.9	8.8
E	.6	.9	1.3	1.1	.1							4.2	6.5
ESE	.2	1.4	.8	.2								2.9	6.4
SE	.4	.9	1.3				.1					2.6	7.2
SSE	.2	1.1	.4	.1		.1		.1				2.2	6.4
S	.9	1.4	1.8	1.7	.2							5.2	7.8
SSW	1.3	1.5	.9	.6	.3	.1		.1				4.3	8.0
SW	.6	1.9	.9	.1								3.2	5.2
WSW	1.0	1.6	.5				.1					3.2	5.7
W	1.5	2.0	.5									4.1	4.4
WNW	1.4	2.3	1.5	.5								5.7	6.0
NW	1.1	4.1	2.2	.4	.1							7.8	6.1
NNW	.9	3.1	2.4	.8	.6							7.7	7.8
VARBL													
CALM												25.5	
	12.9	28.4	21.7	8.7	1.8	.5	.2	.2				100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724 57 STATION PHILLIPS/ABERDEEN MC 48-57 YEARS OCT MONTH  
ALL WEATHER CLASS 2100-2300 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.4	2.2	.8	.3	.1						7.2	7.8
NNE	.8	2.0	3.4	.9	.2	.1						7.4	8.0
NE	.3	2.3	2.5	1.3								6.5	7.5
ENE	.4	.6	2.0	2.2	.1							5.4	10.0
E	.4	1.3	1.3	.2								3.2	6.8
ESE	.4	.2	.2	.1								1.7	5.7
SE	.1	.8	1.2									2.0	7.1
SSE	.5	.5	.4	.4								1.9	6.8
S	.2	1.0	.9	.5	.1							2.7	8.2
SSW	1.4	1.0	.9	.3	.3	.1						4.3	7.2
SW	.9	1.6	.9	.1								3.4	5.4
WSW	1.3	2.4	.2	.1			.1					4.1	5.1
W	1.3	3.0	.6	.1	.1							5.4	5.1
WNW	1.6	3.0	1.7	.2								6.6	5.5
NW	1.5	2.3	1.1	.4								5.3	6.0
NNW	.2	1.9	2.8	.8	.2	.2						6.1	8.6
VARBL												27.5	
CALM													
	12.3	27.3	22.5	8.4	1.4	.5	.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MD 45-57 001  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
ALL  
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.8	3.5	1.6	.4	.0	.0					9.1	8.2
NNE	.5	2.3	2.8	1.9	.2	.1						7.9	6.6
NE	.6	1.9	2.4	1.5	.1	.1	.0					6.6	8.5
ENE	.6	1.3	1.9	2.5	.2	.0						6.6	9.6
E	.7	1.1	1.2	.7	.1							3.7	7.5
ESE	.3	.7	.5	.3	.1	.0	.0	.0	.0			1.9	8.3
SE	.4	.6	.5	.1	.0		.0	.0				1.5	6.5
SSE	.4	.6	.6	.2	.0	.0		.0				1.9	7.0
S	.5	1.0	1.1	.7	.1	.0						3.4	8.2
SSW	.9	1.3	1.7	1.0	.5	.1		.0				5.3	8.9
SW	.9	2.1	1.7	.7	.1							5.5	6.8
WSW	1.1	1.0	.9	.3	.0		.0					4.2	5.9
W	.9	1.8	.8	.3	.0	.0						3.3	5.7
WNW	.8	1.8	1.5	.6	.1	.0						4.3	7.0
NW	1.0	2.3	1.8	1.1	.3	.0						6.5	7.6
NNW	.6	2.3	3.0	1.7	.7	.1						8.4	9.1
VARBL													
CALM												19.1	
	10.7	25.8	25.9	15.1	2.9	.4	.1	.1	.0			100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 7490

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-57 STATION PHILLIPS/ABERDEEN MD 42-57 YEARS MONTH 424  
CLASS ALL WEATHER 0000-0200  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.3	1.6	.2	.2	.3	.1					7.1	7.1
NNE	.6	1.3	1.2	.2	.2							3.0	6.9
NE	1.1	1.7	.7	.7	.2							4.3	6.8
ENE	.7	1.0	.8	1.0	.2	.1						3.0	9.0
E	.9	1.2	1.6	.3		.1	.1					4.2	7.4
ESE	.4	1.1	.9	.1								2.6	6.3
SE	.4	.4	.2									1.1	4.7
SSE	.2	.3	.6									1.1	6.1
S	.5	.4	.7	1.0	.2							2.9	9.5
SSW	.3	1.0	1.4	1.1	.6							4.4	9.9
SW	.2	2.4	1.1	.6								4.3	6.8
WSW	1.2	2.1	1.6	.8	.2							5.9	6.8
W	1.5	4.7	2.1	.3								8.7	5.8
WNW	.8	2.9	2.6	1.0	.2							7.4	7.5
NW	3.0	3.0	2.4	2.0	.2							10.7	7.0
NNW	.3	2.8	3.0	.9	.3	.1						7.4	7.7
VARBL													
CALM												20.4	
	13.7	29.8	22.3	13.2	2.7	.7	.2					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724.57  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

49-57  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0700-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.0	2.9	.4								7.7	6.4
NNE	.7	1.3	1.1	.9	.1							4.1	7.4
NE	.3	2.1	1.1	.4								4.0	6.7
ENE	1.0	1.0	1.2	.6	.7	.1						4.1	7.8
E	.9	1.3	2.0	.7		.1		.2				5.1	8.7
ESE	.2	1.1	.7		.1			.1				2.2	8.0
SE	.6	.2	.7	.3								1.8	6.8
SSE	.1	.7	.1	.2	.2							1.3	8.9
S	.2	.9	.6	1.1	.3	.1						3.2	10.4
SSW	.2	.6	.9	.4								2.1	7.9
SW	.2	2.1	1.3	.2	.1							4.2	6.6
WSW	1.1	2.9	1.4	.2								5.7	5.7
W	1.3	5.1	2.3	.7								9.3	6.0
WNW	.7	3.2	2.3	1.4	.1							7.8	7.3
NW	1.5	3.2	2.4	1.7	.3							9.0	7.5
NNW	.4	3.1	1.8	1.3	.4	.2						7.3	8.6
VARBL													
CALM												71.2	
	10.6	31.8	2.9	10.7	2.0	.6		.3				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD 42-57 YEARS NOV DATE  
ALL WEATHER CLASS 0600-0800 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.3	2.0	.7								6.3	6.8
NNE	.9	2.0	1.1	.6	.1							4.7	6.7
NE	.8	2.8	1.0	.4	.1							5.1	6.2
ENE	.9	2.7	2.0	.9	.1	.1						6.7	7.7
E	.8	1.8	1.4	.7			.2					4.9	7.9
ESE	.6	.6	.3	.7				.1				2.2	9.0
SE	.3	.3	.1									1.2	3.8
SSE	.2	.6	.3	.1	.6	.1						1.9	10.9
S	.3	.7	.4	.8	.6							2.8	10.8
SSW	.3	.8	.9	.3	.1	.1						2.6	8.1
SW	.8	1.9	1.0	.3								4.0	6.0
WSW	.7	3.2	1.4	.3	.1							5.8	6.3
W	2.3	3.9	2.2	.4	.1							9.0	5.8
WNW	1.4	3.7	2.8	1.4	.2							9.6	7.1
NW	1.3	1.9	2.3	1.6	.1							7.2	7.6
NNW	1.4	2.2	2.4	1.7	.4							8.2	8.1
VARBL													
CALM												17.9	
	14.9	31.2	21.9	10.9	2.6	.3	.2	.1				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MD 48-57 MONTH  
STATION NAME YEARS  
ALL WEATHER CLIM  
2900-1100  
HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6	1.6	.3							3.6	10.1
NNE	.2	.7	1.6	.7	.2							3.3	9.0
NE	.6	.9	.9	.3	.2							2.9	7.3
ENE	.3	2.0	2.7	1.6	.1	.1						6.6	8.9
E	.8	2.6	1.6	1.0	.4	.1						6.4	8.1
ESE	.9	.7	.9	.1	.1	.1						2.6	6.6
SE	.3	1.0	1.0	.8								3.1	7.6
SSE	.4	.4	.8	1.0	.2							2.9	9.4
S	.2	.9	1.1	2.0	.8	.1						5.1	11.5
SSW	.6	.3	1.4	1.4	.6	.3						4.7	11.3
SW	.4	1.8	2.0	1.6	.1							5.9	8.3
WSW	.8	1.1	1.8	1.1	.7							5.4	9.3
W	1.4	1.7	1.4	1.3	.2	.1						6.2	7.9
WNW	.6	2.1	2.9	3.3	1.9	.6						11.3	11.5
NW	1.1	1.4	2.1	3.4	.9	.4						9.4	11.0
NNW	.9	1.3	3.1	3.6	1.8	.2						10.9	11.3
VARBL													
CALM												9.2	
	10.1	19.4	25.8	24.8	8.6	2.1						120.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATMOSPHERIC WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724-57      PHILLIPS/ABERDEEN MD      48-57      N.Y.  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER      1200-1400  
CLASS      HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.3	1.6	1.8								3.8	10.4
NNE	.2	.7	1.1	.6	.1							2.7	8.6
NE	.2	1.7	1.3	.4	.2	.1						4.0	8.2
ENE	.7	1.7	1.8	.9								5.3	7.6
E	.3	1.9	.9	.7	.2	.1	.1					4.2	8.8
ESE	.2	1.0	.7									1.9	6.0
SE	.3	1.1	.7	.4	.1							2.7	7.8
SSE	.1	.9	.8	.9	.7	.1						3.4	10.9
S	.3	1.6	2.0	2.1	1.0							7.0	10.9
SSW	.3	1.1	3.7	3.1	.7	.2						9.1	10.7
SW	.8	2.0	2.4	1.7	.4							7.3	8.7
WSW	.9	.8	2.6	.9	.6							5.7	8.6
W	.1	1.1	1.4	.9	.4							4.0	9.5
WNW	.1	1.2	2.3	5.4	2.9	.3						12.3	13.0
NW	.4	.6	3.1	4.7	1.9	.8						11.4	12.8
NNW	.2	.7	3.1	4.4	2.0	.1						10.6	12.5
VARBL													
CALM												4.9	
	5.4	18.2	29.4	28.9	11.2	1.8	.1					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS      900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724757  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

42-57  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.9	2.2	.6	.2							5.3	7.8
NNE		.7	1.4	.6	.1	.2	.1					3.1	10.7
NE	.4	.8	1.0	.4								2.7	7.4
ENE	.3	1.6	.9	.7	.1							3.6	7.7
E	1.0	2.2	1.3	.7	.3	.1						5.7	7.5
ESE	.2	.7	.3	.4								1.7	7.8
SE	.7	1.1	.2	.2	.1							2.3	6.0
SSE	.4	.8	.7	.9	.1	.1						3.0	2.4
S	1.3	1.3	2.4	1.4	.9	.2						7.7	9.4
SSW	1.9	2.7	2.0	1.4	.3	.1						8.4	7.6
SW	.8	2.1	2.0	.7	.2							5.6	7.5
WSW	.7	1.1	.3	.8								2.9	7.0
W	.2	1.4	.8	.8	.3							3.6	6.6
WNW	1.2	3.0	3.0	3.8	1.9	.2	.1					13.2	10.6
NW	.6	2.9	5.4	4.1	.3							13.3	9.3
NNW	.4	2.7	2.6	2.2	1.1	.1						6.4	10.2
VARBL													
CALM												9.3	
	10.7	26.2	26.7	19.7	6.1	1.1	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

NOV  
MONTH

ALL WEATHER  
CLAS

1900-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.0	.6	.2		.1						4.0	5.7
NNE		.5	1.3	1.1	.2	.2						3.7	10.6
NE	.5	.7	.9	.8								2.9	8.0
ENE	.1	1.2	.3	.2	.4							2.3	8.9
E	1.2	1.9	1.2	1.1	.2							5.6	7.3
ESE	.2	.9	.9		.1							2.0	6.9
SE		.8	1.1	.1								2.0	7.1
SSE	.3	1.1	.7	.6	.3							3.0	9.0
S	.9	1.0	2.2	1.3	.2		.1					5.7	9.0
SSW	1.1	1.4	1.1	.9	.1							4.7	7.0
SW	.7	1.4	.4	.4	.1	.1						3.2	7.1
WSW	1.0	2.0	1.1	.7								4.8	6.3
W	2.0	3.5	1.0	.3								6.8	5.2
WNW	1.9	2.8	2.2	2.0	.3	.1						9.4	7.9
NW	2.3	2.8	4.6	1.7	.7	.2						12.2	8.2
NNW	.7	2.4	2.4	1.6	.6	.1						7.8	8.7
VARBL													
CALM												19.9	
	14.0	26.6	22.0	13.0	3.3	.9	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

898

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724057 PHILLIPS/ABERDEEN MD 45-57 NQV  
STATION NAME YEARS MONTHS (L & T)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.7	1.2	.6	.1	.3						5.8	7.3
NNE	1.3	1.1	.8	.4	.1	.3						4.1	7.6
NE	1.1	1.4	.6	.3	.1							3.0	5.9
ENE	.1	1.7	1.4	1.0	.2	.2						4.7	9.7
E	.6	1.8	1.2	.6		.3						4.7	8.0
ESE	.3	.6	.3	.2								1.4	6.3
SE	.1	1.1	.2	.1								1.0	5.7
SSE	.0	.4	.7	.1	.1							2.1	6.7
S	.6	.4	.3	.0	.4							2.7	10.1
SSW	.8	.9	1.3	1.2	.2							4.5	8.8
SW	.2	2.1	.8	.8	.3							4.8	7.5
WSW	1.0	1.9	2.0	.2								5.1	6.0
W	1.4	3.6	2.6	.1								7.7	5.6
WNW	1.8	2.3	1.7	1.9	.2	.1						8.0	7.7
NW	1.0	3.7	4.2	1.3	.3	.2						10.8	7.9
NNW	.9	1.0	3.5	1.4	.4							6.0	8.5
VARBL													
CALM												20.4	
	13.7	27.5	22.9	11.3	2.7	1.6						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72457 PHILLIPS/ABERDEEN MD 48-57 NCV  
STATION STATION NAME YEARS SOUTH  
ALL  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.0	1.6	.8	.1	.1	.1					5.4	7.5
NNE	.5	1.1	1.2	.6	.2	.1	.0					3.7	8.3
NE	.6	1.5	.9	.5	.1	.0						3.7	7.0
ENE	.5	1.6	1.4	.6	.2	.1						4.6	8.4
E	.8	1.8	1.4	.7	.2	.1	.1	.0				5.1	7.9
ESE	.4	.8	.6	.2	.0	.0		.0				2.1	7.1
SE	.4	.8	.5	.3	.0	.0						2.0	5.5
SSE	.3	.7	.6	.5	.3	.0						2.3	9.2
S	.5	.9	1.2	1.3	.6	.1	.0					4.6	10.2
SSW	.7	1.1	1.6	1.3	.3	.1						5.1	9.1
SW	.6	2.0	1.4	.8	.2	.0						4.9	7.5
WSW	.9	1.9	1.5	.6	.2							5.2	7.0
W	1.3	3.1	1.7	.6	.1	.0						6.9	6.4
WNW	1.1	2.7	2.5	2.5	1.0	.2	.0					9.9	9.5
NW	1.4	2.4	3.3	2.6	.6	.2						10.5	9.0
NNW	.7	2.0	2.7	2.1	.9	.1						8.6	9.7
VARBL													
CALM												15.4	
	11.6	26.4	24.2	16.2	4.9	1.1	.1	.1				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 7195

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD 47-56 YEARS DDC NORTH  
ALL WEATHER CLASS 000-0200 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.1	2.2	.9	.1							5.4	7.4
NNE	.6	.9	1.4	.8	.1							3.3	6.5
NE	1.2	1.7	1.7	1.1	.1							3.2	7.6
ENE	.3	1.9	.7	.7								3.5	6.6
E	1.1	1.2	1.1	.4	.1							4.3	6.7
ESE	.6	.2	.1	.1								1.0	4.9
SE	.3	.9	.2									1.4	4.7
SSE	.1	.3	.6	.2								1.2	5.1
S		.7	.2		.7							1.2	9.5
SSW	.4	.3	.6	.2	.2							1.8	8.5
SW	1.0	2.0	1.1	.6	.2							4.9	6.7
WSW	1.6	3.3	1.4	.7	.2							7.4	6.1
W	2.2	3.8	2.7									6.6	4.9
WNW	1.2	3.6	4.1	.9	.1							15.6	6.8
NW	1.1	2.3	2.5	2.1	.8	.3						9.2	9.5
NNW	.1	2.5	3.1	1.4	.4							7.6	8.8
VARBL													
CALM												22.5	
	13.9	7.7	22.7	10.0	2.6	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

704257  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

47-56  
YEARS

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	1.2	.7	.1							4.7	6.9
NNE	.6	1.7	1.1	.4	.2							4.2	7.1
NE	.0	1.2	1.7	.0								4.0	7.6
ENE	.7	1.4	2.2	.7								4.1	6.9
E	1.2	1.4	.0	.3	.3							4.1	6.4
ESE	.6	.4	.2	.1								1.2	5.7
SE	.3	.6	.1									1.4	4.0
SSE	.4	.3	.4									1.2	5.1
S	.3	.7	.4	.1								1.1	5.9
SSW	.2	1.2	.6	.4	.1							2.3	7.6
SW	1.4	2.1	.7	.7	.1							5.0	6.2
WSW	1.7	3.5	1.5	.7	.1							7.5	6.1
W	1.2	4.5	2.8									6.0	5.7
WNW	1.4	3.0	2.8	1.2	.1							6.6	6.0
NW	2.4	2.2	2.9	2.0	.2	.2						11.4	5.2
NNW	1.1	1.9	2.4	1.8	.3							7.0	5.6
VARBL													
CALM												32.1	
	16.2	27.6	21.7	10.5	1.7	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

976

USAFETAC

FORM  
JUL 64

OR 5101 A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

70457 PHILLIPS/ABERDEEN MD 47-56 240  
STATION STATION NAME YEARS MONTH

ALL WEATHER  
CLASS

0800-0800  
HOURS (LST)

COMPLETION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	1.2	.7								4.4	6.8
NNE	1.2	.2	1.2	.6	.1	.1						3.9	7.3
NE	.3	1.2	.6	1.2	.1							3.4	6.5
ENE	.3	1.2	3.5	1.0	.1							6.2	5.4
E	1.5	1.2	.8	.4	.1							3.2	6.7
ESE	.1	.3	.1	.1								.7	7.2
SE	.1	.1		.2								.6	9.0
SSE	.5	.1	.1	.1	.2							1.1	7.4
S	.1	.5	1.7									1.7	6.5
SSW	.2	1.0	.8	.6								2.5	7.4
SW	1.2	1.7	1.0	.3								4.7	5.6
WSW	1.2	2.2	2.1	.3	.1							6.2	6.3
W	2.6	3.3	1.7	.2	.1							5.4	5.3
WNW	1.0	3.1	4.0	.8	.1							9.8	6.8
NW	.5	2.5	3.2	5.2	1.0	.1						10.6	9.9
NNW	.4	2.0	3.5	2.3								6.3	6.5
VARBL													
CALM												24.3	
	13.5	23.4	24.4	12.1	2.0	.2						120.0	5.6

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724157 STATION 724157 PHILLIPS/ABERDEEN MD STATION NAME 47-56 YEARS 06C NORTH  
ALL WEATHER CLASS 0500-1100 HOURS (LST)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	1.0	1.0	1.0	.1						5.5	12.2
NNE	.3	1.0	1.1	.8								3.2	7.9
NE	.4	.6	1.3	1.0	.8							4.1	10.1
ENE	.4	1.5	3.4	1.3	.3							7.3	8.6
E	.6	1.8	1.8	.8	.2							5.1	7.5
ESE		.3	.2									.8	7.0
SE		.4		.1								.5	6.8
SSE	.7	.4	.6	.3								1.5	6.0
S	.2	.4	1.3	.6								2.5	8.1
SSW	.3	.6	2.0	1.0	.2							4.1	9.2
SW	1.1	2.3	2.9	1.3	.1							7.7	7.4
WSW	1.1	2.6	2.4	1.1								7.3	7.3
W	.9	1.0	1.0	.2	.2							4.2	7.6
WNW	.5	1.5	2.8	2.8	1.5	.1						9.5	10.9
NW	.8	1.3	3.5	4.0	2.0	.4						12.0	11.6
NNW	.3	.4	3.2	4.5	2.2	.1						10.0	12.6
VARBL													
CALM												14.0	
	7.7	17.0	30.2	21.6	8.6	.8						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 406

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 774257 PHILLIPS/ABERDEEN MD STATION NAME 47-56 YEARS 200 MONTH 1200-1400

CLASS ALL WEATHER HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.0	2.0	1.1	.4	.2						4.5	10.8
NNE	.1	.4	1.7	.9	.2							3.3	10.2
NE	.3	.6	1.4	.7	.2							3.2	9.3
ENE	.8	1.3	2.1	.9	.3							5.4	8.6
E	1.0	.9	1.5	.3	.1							3.8	7.0
ESE	.3	.7	.9		.2							2.1	7.5
SE	.2	.4	.4									1.1	5.8
SSE	.4	.6	.4									1.4	5.4
S	.4	1.0	1.4	.6	.2							3.6	8.5
SSW	.4	1.0	3.6	2.5	.8	.1						8.5	13.5
SW	.6	1.6	4.0	2.2	.2	.1						8.8	9.6
WSW	.6	1.3	1.2	.9								4.2	7.7
W	.3	1.0	1.7	.6	.2	.1						4.3	7.7
WNW	.1	1.2	2.5	4.2	2.4	.4	.1					11.0	13.1
NW	.6	1.0	3.9	5.6	1.7	.8						13.5	12.5
NNW	.7	.9	3.4	6.2	2.2	.8						14.1	12.9
VARBL													
CALM												7.3	
	7.3	14.7	32.2	26.6	9.3	2.5	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724.57 STATION 724.57 PHILLIPS/ABERDEEN MD STATION NAME 47-56 YEARS DEC MONTH 1900-1700  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.2	2.4	1.0	.3							6.4	8.4
NNE	.2	.3	1.2	.9	.2							2.9	9.9
NE	.6	.7	.8	.2	.3							2.5	6.1
ENE	.2	1.2	1.9	1.0	.2							4.5	8.7
E	1.2	1.1	1.5	.2								3.9	6.2
ESE	.3	.6	.8		.1	.2						2.0	9.2
SE	.8	.3										1.1	3.4
SSE	.4	.8	1.0	.1								2.3	6.5
S	.7	1.7	1.2	.6	.1							4.2	7.2
SSW	.7	2.1	2.5	1.5	.7							7.5	9.0
SW	1.5	1.9	2.4	1.0	.2							7.1	7.1
WSW	.9	1.9	.3			.1						3.1	5.2
W	1.9	1.7	.8	.2	.1							4.6	5.1
WNW	.2	1.4	3.6	2.8	1.0	.2						9.3	10.7
NW	1.4	2.0	5.1	5.7	1.2	.1						16.4	10.2
NNW	.3	1.7	2.6	3.4	1.2	.1	.2					9.6	11.4
VARBL													
CALM												12.0	
	11.5	22.3	28.3	18.7	5.7	.8	.2					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 STATION PHILLIPS/ABERDEEN MD STATION NAME 47-56 YEARS DEC MONTH 1970-2000 PERIOD  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	1.1	1.3	.1							4.2	5.8
NNE	.5	.7	.7	.6	.2							2.8	8.3
NE	.4	2.7	1.2	1.0	.3							5.3	8.2
ENE	.4	.6	2.2	.8	.1							4.1	8.4
E	.8	1.5	1.2	.6								4.1	6.6
ESE	.3	.2	.6	.2		.1						1.4	5.2
SE	.2	.4	.2									.9	4.8
SSE	.7	.4	.8	.4								2.3	6.7
S	1.2	1.4	.6	.3	.1							3.4	5.9
SSW	1.1	1.3	.4	.1	.4	.1						3.5	7.2
SW	.8	2.2	1.1	1.2								5.3	7.4
WSW	1.2	1.1	.7	.1	.1	.2						3.2	6.9
W	1.4	3.5	2.0	.1								7.1	5.4
WNW	1.3	2.4	3.4	1.2								8.4	7.3
NW	1.7	2.3	5.5	3.6	.8	.3						14.2	9.4
NNW	.3	2.9	2.1	2.2	.3	.1						7.9	9.3
VARBL													
CALM												22.3	
	12.6	24.2	23.7	13.8	2.5	.9						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724057 PHILLIPS/ABERDEEN MD 47-56  
STATION STATION NAME YEARS  
ALL WEATHER  
CLASS  
CONDITION  
2100-2300  
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.3	1.1	.8	.3							5.3	7.4
NNE	.3	1.1	1.4	.7	.3							3.9	8.6
NE	.4	1.4	1.1	.8	.1							3.7	7.7
ENE	.7	1.3	1.7	1.1		.1						4.9	8.0
E	1.0	1.7	1.3	.4								4.4	6.3
ESE	.2	.6	.6	.1	.1	.1						1.7	8.7
SE	.6	.6	.2									1.3	4.4
SSE	.1	.2	.6		.1							1.0	8.0
S	.2	.2	.3	.1	.7	.1						1.7	12.0
SSW	.6	.4	.2		.2	.4						1.9	10.4
SW	1.1	1.8	1.7	.3	.1							5.0	6.5
WSW	1.1	1.3	1.3	.2	.3							4.3	7.1
W	1.9	4.7	2.0									7.8	5.3
WNW	1.2	2.4	3.6	1.4	.2							8.9	7.8
NW	2.0	3.4	2.4	3.0	.4	.2						11.5	8.2
NNW	.9	2.1	3.7	1.7	.6	.1						8.2	9.0
VARBL													
CALM												24.5	
	12.9	24.8	22.5	10.6	3.5	1.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724257 PHILLIPS/ABERDEEN MD

47-56

DEC

ALL WEATHER

ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	1.6	1.0	.3	.7						5.1	8.6
NNE	.5	.9	1.2	.7	.2	.0						3.5	8.4
NE	.5	1.2	1.2	.9	.2							4.0	8.3
ENE	.5	1.3	2.2	.9	.1	.0						5.1	8.0
E	1.0	1.3	1.3	.4	.1							4.1	6.8
ESE	.7	.4	.4	.1	.1	.1						1.3	7.7
SE	.4	.5	.2	.1								1.7	5.0
SSE	.4	.4	.6	.2	.0							1.5	6.8
S	.4	.8	.8	.3	.2	.0						2.5	7.7
SSW	.5	1.0	1.3	.8	.3	.1						4.0	9.1
SW	1.2	2.0	1.8	1.0	.1	.0						6.1	7.2
WSW	1.1	2.2	1.4	.5	.1	.0						5.3	6.6
W	1.7	2.9	1.8	.2	.1	.0						6.7	5.7
WNW	1.1	2.3	3.4	1.9	.7	.1	.0					9.5	6.9
NW	1.3	2.2	3.6	3.8	1.7	.3						12.3	10.0
NNW	.5	1.8	2.9	2.9	.9	.2	.0					9.3	10.5
VARBL													
CALM												13.7	
	12.0	22.7	25.7	15.5	4.5	.9	.0					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

7248

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

47-57  
YEARS

ALL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.9	2.0	.9	.3	.1	.0					6.2	7.7
NNE	.6	1.4	1.6	.8	.1	.0	.0					4.5	7.7
NE	.7	1.4	1.6	.7	.1	.0	.0					4.6	7.5
ENE	.6	1.4	2.0	1.4	.3	.1	.0					5.7	8.8
E	.8	1.4	1.5	.8	.1	.0	.0	.0				4.6	7.7
ESE	.4	.8	.8	.4	.1	.0	.0	.0	.0			2.4	7.8
SE	.5	.8	.7	.2	.0	.0	.0	.0				2.2	6.5
SSE	.5	.9	.9	.3	.1	.0		.0				2.7	7.1
S	.7	1.2	1.6	.9	.2	.0	.0					4.7	8.2
SSW	.8	1.5	2.2	1.6	.5	.1	.0	.0				6.7	9.2
SW	1.1	2.0	2.0	.9	.1	.0						6.2	7.2
WSW	1.1	1.8	1.1	.4	.1	.0	.0					4.5	6.3
W	1.3	1.9	1.1	.3	.1	.0	.0					4.7	6.0
WNW	.9	1.8	1.0	1.4	.6	.2	.0	.0				6.8	9.1
NW	1.1	2.1	2.5	2.0	.7	.2	.0	.0				8.7	9.3
NNW	.8	1.9	2.6	2.1	.7	.2	.0					8.4	9.6
VARBL													
CALM												16.8	
	12.8	24.2	25.9	15.1	4.1	.9	.1	.0	.0			100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

87257



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

724057 PHILLIPS/ABERDEEN MD 47-57  
STATION NAME YEARS  
INSTRUMENT  
CLASS  
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE.  
CONDITION  
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.6	1.4	.7	.2	.1	.0					5.1	7.4
NNE	1.0	1.7	2.0	1.4	.3	.1	.0					6.5	8.4
NE	1.2	2.5	3.4	2.2	.5	.1	.1					10.0	8.9
ENE	1.0	2.6	5.4	4.7	1.1	.4	.0					15.2	11.2
E	1.7	2.2	3.7	2.5	.7	.2	.1	.0				10.7	9.3
ESE	.4	1.0	1.2	.8	.3	.1	.0	.0	.0			3.9	9.7
SE	.7	.8	.6	.3	.0	.0	.0	.0				2.5	6.6
SSE	.6	.9	.7	.3	.2	.1						2.7	7.5
S	.5	.8	1.0	.6	.3	.1	.0					3.3	8.9
SSW	.6	1.1	1.4	.9	.5	.2						4.5	9.5
SW	.9	1.4	1.3	.7	.2	.0						4.5	7.2
WSW	.9	1.2	.6	.2	.0							2.3	5.4
W	.8	1.0	.3	.0	.0	.0						2.3	4.9
WNW	.5	.6	.3	.2	.1	.0						1.6	6.7
NW	.6	.8	.6	.3	.1							2.4	6.9
NNW	.6	.9	.9	.5	.3	.0	.0					3.3	8.5
VARBL													
CALM												18.5	
	12.5	21.4	24.7	16.3	4.7	1.5	.2	.0	.0			100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 10309

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the >10 mi visibility category should be used with great caution.

Continued on Reverse Side

EXAMPLE: FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
$\geq 1800$																
$\geq 1500$					91.0											92.6
$\geq 1200$																
$\geq 1000$																
$\geq 900$																
$\geq 800$																
$\geq 700$																
$\geq 600$																
$\geq 500$										97.4						98.1
$\geq 400$																
$\geq 300$																
$\geq 200$																
$\geq 100$					95.4		96.9			98.3						100.0
$\geq 0$																

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles.

Likewise, the percentage of observations with ceiling  $< 500$  feet and/or visibility  $< 1$  mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GENERAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724557 PHILLIPS/ABERDEEN MD

48-57

142

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

GROUP-0000

		VISIBILITY (STATUTE MILES)															
		10	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0-1000	FEET	30.1	41.0	41.5	42.3	42.9	43.1	43.2	43.3	43.5	43.6	43.6	43.6	43.9	43.9	43.9	44.4
1000-1999		42.4	44.5	45.3	46.1	46.6	46.6	47.1	47.2	47.4	47.5	47.5	47.5	47.7	47.7	47.7	48.3
2000-2999		32.5	44.6	45.4	46.2	46.7	47.0	47.2	47.3	47.5	47.6	47.6	47.6	47.8	47.8	47.8	48.4
3000-3999		32.7	45.1	45.7	46.5	47.1	47.3	47.5	47.6	47.8	48.1	48.1	48.1	48.2	48.2	48.2	48.7
4000-4999		33.3	47.4	48.2	48.9	49.5	49.7	49.9	50.1	50.3	50.4	50.4	50.4	50.6	50.6	50.6	51.0
5000-5999		35.2	49.8	51.6	51.5	52.0	52.3	52.5	52.6	52.8	52.9	52.9	52.9	53.2	53.2	53.2	53.7
6000-6999		37.0	53.4	54.2	55.0	55.6	55.6	56.0	56.1	56.4	56.5	56.5	56.5	56.8	56.8	56.8	57.4
7000-7999		37.7	54.8	55.7	56.4	57.4	57.6	57.8	57.9	58.1	58.4	58.5	58.5	58.8	58.8	58.8	59.4
8000-8999		39.1	57.0	58.0	58.9	59.7	59.9	60.1	60.2	60.5	60.7	61.1	61.1	61.7	61.8	61.8	62.5
9000-9999		39.4	58.8	59.8	60.7	61.5	61.7	61.9	62.1	62.4	62.5	62.9	62.9	63.5	63.6	63.6	64.2
10000-10999		40.3	61.7	63.2	64.2	65.1	65.4	65.7	65.8	66.1	66.2	66.7	66.7	67.3	67.3	67.3	68.0
11000-11999		41.3	63.7	65.4	66.4	67.3	67.7	67.9	68.0	68.2	68.4	68.9	68.9	69.4	69.5	69.5	70.2
12000-12999		42.4	65.3	67.1	68.2	69.1	69.4	69.7	69.8	70.1	70.2	70.7	70.7	71.2	71.3	71.3	72.0
13000-13999		42.3	66.7	68.3	70.2	71.2	71.5	71.8	71.9	72.1	72.1	72.8	72.8	73.3	73.4	73.4	74.1
14000-14999		43.3	67.9	70.0	71.7	72.6	73.2	73.4	73.5	73.8	74.0	74.4	74.4	74.4	75.1	75.1	75.7
15000-15999		44.1	69.8	72.2	73.6	74.8	75.4	75.6	75.7	76.0	76.2	76.6	76.6	77.2	77.3	77.3	78.0
16000-16999		44.4	71.2	73.6	75.3	76.4	77.1	77.4	77.5	77.7	78.0	78.4	78.4	79.0	79.1	79.1	79.7
17000-17999		45.3	72.8	75.1	77.0	78.1	78.7	79.6	79.7	80.1	80.3	80.7	80.7	81.3	81.4	81.4	82.1
18000-18999		45.1	73.4	75.9	78.0	79.1	79.8	80.8	81.0	81.3	81.5	81.9	81.9	82.5	82.6	82.6	83.3
19000-19999		45.1	74.2	76.9	79.3	80.4	81.2	82.4	82.6	82.9	83.3	83.7	83.7	84.4	84.5	84.5	85.2
20000-20999		45.3	75.7	78.6	81.3	82.5	83.4	84.7	85.0	85.4	85.7	86.2	86.2	86.8	86.9	86.9	87.6
21000-21999		45.2	76.4	79.3	81.7	82.9	83.8	85.4	85.7	86.0	86.6	87.0	87.0	87.7	87.8	87.8	88.5
22000-22999		45.2	76.5	79.4	82.7	83.9	84.6	86.8	87.3	87.6	88.4	89.1	89.2	89.7	89.8	89.9	90.6
23000-23999		45.2	76.6	79.5	82.8	84.4	85.4	87.4	87.9	88.3	89.1	90.0	90.0	90.7	90.8	90.9	91.6
24000-24999		45.2	76.7	79.6	83.2	84.7	85.7	87.7	88.5	88.8	90.1	91.1	91.1	91.8	91.9	92.0	92.7
25000-25999		45.2	76.7	79.6	83.2	84.9	85.9	87.9	88.8	89.1	90.9	92.0	92.0	92.8	93.0	93.1	93.8
26000-26999		45.2	76.7	79.6	83.2	84.9	86.0	88.2	89.0	89.6	91.6	92.7	92.7	93.5	93.7	93.8	94.5
27000-27999		45.2	76.7	79.6	83.2	85.0	86.3	88.4	89.5	90.1	92.4	93.5	93.6	94.4	94.9	94.9	95.6
28000-28999		45.2	76.7	79.6	83.2	85.0	86.4	88.6	89.7	90.4	93.0	94.6	94.7	95.5	95.9	96.1	97.1
29000-29999		45.2	76.7	79.6	83.2	85.0	86.4	88.6	89.7	90.4	93.0	94.8	94.9	95.8	96.2	96.6	98.0
30000-30999		45.2	76.7	79.6	83.2	85.0	86.4	88.6	89.7	90.4	93.0	94.8	94.9	95.8	96.2	96.6	98.0

TOTAL NUMBER OF OBSERVATIONS 903

## CEILING VERSUS VISIBILITY

46-57

- 33 - 222

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 927

USAF ETAC 0-14.5 TOL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

124457 PHILLIPS/ABERDEEN MD

4c-57

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

660-0800

VISIBILITY IN FEET															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
24.5	32.7	33.1	34.4	35.6	35.6	36.1	36.5	36.5	36.7	36.9	36.9	37.1	37.1	37.1	37.4
24.7	35.6	36.1	37.8	39.1	39.1	39.7	40.0	40.0	40.2	40.4	40.4	40.7	41.1	41.1	41.6
26.7	35.6	36.3	38.0	39.4	39.4	40.0	40.4	40.4	40.6	40.7	40.7	41.1	41.1	41.1	41.9
27.1	39.3	36.9	38.7	40.0	40.0	40.7	41.0	41.0	41.2	41.4	41.4	41.7	41.8	41.8	42.6
27.8	37.3	38.1	40.0	41.4	41.4	42.1	42.5	42.5	42.7	42.8	42.8	43.1	43.2	43.2	44.0
29.5	40.5	41.5	43.6	44.9	44.9	45.8	46.1	46.1	46.3	46.5	46.5	46.8	46.9	46.9	47.7
31.7	42.5	43.7	45.3	46.3	46.3	46.3	46.7	46.7	46.9	46.9	50.0	50.1	50.5	50.7	51.4
31.4	43.2	45.2	47.2	48.1	48.1	48.1	48.6	48.6	48.9	49.2	49.2	49.5	49.7	49.7	50.4
32.7	45.2	46.9	49.7	52.0	52.0	53.1	53.7	53.7	54.0	54.1	54.2	54.7	54.8	54.8	55.5
32.8	47.2	49.2	52.1	54.7	54.8	55.5	55.8	56.4	56.6	56.6	57.0	57.4	57.5	57.5	58.1
34.7	50.7	52.9	56.3	59.1	59.2	60.3	61.0	61.0	61.3	61.4	61.5	62.0	62.1	62.1	63.1
35.1	53.8	56.3	59.9	62.6	62.9	64.1	64.7	64.7	65.1	65.2	65.4	65.9	66.1	66.1	67.1
35.3	55.2	57.9	61.6	64.5	64.9	66.3	67.0	67.0	67.3	67.4	67.7	68.2	68.4	68.4	69.3
37.3	57.2	60.3	64.2	67.3	67.6	69.2	69.6	69.8	70.3	70.4	70.7	71.2	71.4	71.4	72.3
38.7	58.9	62.1	66.2	69.4	69.8	71.4	72.1	72.1	72.5	72.6	72.9	73.4	73.6	73.6	74.5
38.1	60.6	64.1	68.3	71.7	72.3	73.9	74.6	74.6	75.1	75.2	75.5	75.9	76.2	76.2	77.1
38.5	62.3	65.9	70.3	73.8	74.4	76.3	77.1	77.1	77.6	77.7	78.0	78.5	78.7	78.7	79.6
39.1	63.5	67.2	72.0	75.6	76.2	78.4	79.4	79.4	80.0	80.2	80.5	81.3	81.5	81.5	82.4
39.1	63.6	67.4	72.3	76.2	77.1	79.3	80.3	80.3	81.0	81.3	81.6	82.4	82.6	82.6	83.5
39.1	63.7	67.6	72.6	76.7	77.6	80.0	81.2	81.2	82.2	82.4	82.6	83.6	83.8	83.8	84.7
39.3	64.2	68.2	73.3	77.6	78.5	80.9	82.2	82.2	83.1	83.6	84.1	84.8	85.0	85.0	85.9
39.1	64.5	68.5	73.4	78.2	79.0	81.6	83.0	83.0	84.1	84.6	85.1	85.9	86.1	86.1	87.1
39.1	64.6	68.7	73.8	78.4	79.3	81.8	83.7	83.7	84.9	85.4	85.8	86.7	86.9	87.0	87.9
39.1	65.0	69.3	74.4	78.9	79.8	82.4	84.3	84.3	85.5	85.9	86.4	87.3	87.5	87.6	88.5
39.7	65.1	69.4	74.5	79.0	79.9	82.7	84.6	84.6	85.8	86.3	86.7	87.6	87.8	87.9	88.9
39.1	65.1	69.4	74.6	79.4	80.4	83.5	85.5	85.5	86.7	87.3	87.7	88.7	88.9	89.0	90.0
39.7	65.1	69.4	74.8	80.2	81.3	84.5	86.5	86.5	88.2	88.8	89.2	90.2	90.5	90.7	91.6
39.7	65.1	69.4	74.8	80.3	81.4	85.0	87.4	87.4	89.7	90.6	91.0	92.1	92.5	92.7	93.9
39.1	65.2	69.5	74.9	80.4	81.6	85.3	87.7	87.7	90.0	91.1	91.6	92.7	93.0	93.2	94.5
39.7	65.2	69.5	74.9	80.4	81.6	85.3	87.7	87.7	90.4	91.6	92.1	93.3	93.7	94.0	95.7
39.7	65.2	69.5	74.9	80.4	81.6	85.3	87.7	87.7	90.5	91.7	92.1	93.6	93.9	94.7	96.6
39.7	65.2	69.5	74.9	80.4	81.6	85.3	87.7	87.7	90.5	91.7	92.1	93.7	94.0	94.7	96.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

704-57 PHILLIPS/ABERDEEN MD

40-57

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

100-1100

VISIBILITY IN FEET		VISIBILITY IN MILES																			
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5
0-100	22.5	26.6	29.6	31.9	31.7	31.9	32.4	32.9	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
101-200	27.3	32.5	37.8	39.0	40.6	40.9	41.5	42.0	42.0	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
201-300	29.4	36.9	38.4	39.6	41.1	41.5	42.0	42.6	42.6	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
301-400	29.6	37.4	38.9	40.0	41.6	41.9	42.5	43.0	43.0	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
401-500	31.9	39.0	40.6	41.8	43.3	43.7	44.3	44.9	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
501-600	33.4	42.2	43.9	45.2	46.9	47.3	48.0	48.6	48.6	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
601-700	35.3	46.7	48.4	49.9	51.8	52.2	53.0	53.5	53.5	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
701-800	35.9	47.5	49.4	51.1	53.0	53.5	54.4	55.0	55.0	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
801-900	37.5	51.1	52.0	54.4	56.8	57.3	58.3	58.9	58.9	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
901-1000	41.1	1.7	54.3	56.4	58.8	59.3	60.3	60.9	60.9	61.5	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
1001-1100	39.4	54.2	57.1	59.2	61.8	62.3	63.4	64.1	64.1	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
1101-1200	39.0	55.2	58.3	61.0	63.6	64.4	65.7	66.4	66.4	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
1201-1300	40.1	57.1	60.7	63.0	65.7	66.5	68.0	68.7	68.7	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
1301-1400	42.0	59.6	63.1	65.2	69.1	69.8	71.5	72.4	72.4	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
1401-1500	43.0	62.1	65.4	68.5	71.8	72.6	74.4	75.3	75.3	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
1501-1600	44.2	63.7	67.5	70.7	75.1	75.8	77.6	78.5	78.6	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
1601-1700	44.7	65.2	69.9	72.2	76.7	77.5	79.4	80.3	80.4	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
1701-1800	44.7	66.7	70.7	73.2	78.3	79.2	81.3	82.2	82.4	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
1801-1900	44.7	68.2	70.0	73.4	77.6	79.6	81.7	82.6	82.8	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1901-2000	44.7	69.6	71.5	74.3	79.9	81.0	83.4	84.3	84.5	85.4	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
2001-2100	44.7	71.0	71.7	75.1	81.8	81.9	84.5	85.4	85.7	86.6	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
2101-2200	44.7	72.0	71.4	75.3	81.6	82.8	85.7	86.6	87.1	88.2	88.5	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
2201-2300	44.7	73.1	71.5	75.4	81.8	83.1	86.1	87.1	87.7	88.9	89.1	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
2301-2400	44.7	74.1	72.1	76.1	82.6	84.1	87.4	88.4	88.9	90.2	90.1	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2401-2500	44.7	75.1	72.4	76.6	83.1	84.9	88.5	89.5	90.1	91.5	91.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
2501-2600	44.7	76.1	72.4	76.6	83.1	84.9	88.6	89.7	90.5	92.1	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
2601-2700	44.7	77.1	72.4	76.6	83.4	85.1	89.1	90.2	91.0	92.9	93.5	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
2701-2800	44.7	78.1	72.4	76.6	83.5	85.3	89.4	90.6	91.4	93.3	94.1	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2801-2900	44.7	79.1	72.4	76.6	83.5	85.3	89.4	90.6	91.4	93.3	94.5	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2901-3000	44.7	80.1	72.4	76.6	83.5	85.3	89.4	90.6	91.4	93.3	94.5	95.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
3001-3100	44.7	81.1	72.4	76.6	83.5	85.3	89.4	90.6	91.4	93.3	94.5	95.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2

TOTAL NUMBER OF OBSERVATIONS 902

NOTE: PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

704057

PHILLIPS/ABERDEEN MO

4-57

145

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

25.2	31.2	31.7	32.3	32.9	33.2	37.4	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
32.3	41.5	42.1	43.2	43.9	44.3	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
33.2	42.1	42.6	43.9	44.5	45.0	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
33.4	42.9	43.4	44.6	45.3	45.7	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
35.7	45.5	46.1	47.3	48.1	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
38.8	49.3	49.8	51.2	51.9	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
40.2	52.5	53.7	54.5	55.4	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
40.6	53.3	53.8	55.4	56.3	56.7	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
42.4	56.3	57.7	58.7	59.8	60.2	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
43.2	58.1	58.9	60.6	61.8	62.2	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
45.3	61.1	62.1	64.2	65.7	66.1	66.6	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
46.7	62.6	63.8	66.0	67.4	67.9	68.5	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
48.6	64.8	66.0	68.2	69.7	70.1	70.9	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
50.2	68.2	69.9	72.2	73.8	74.2	75.1	75.5	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
51.9	69.7	71.5	73.9	75.4	76.1	77.0	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
52.6	71.7	73.8	76.4	78.1	78.7	79.6	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
53.7	74.6	77.0	79.7	81.4	82.2	83.1	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
54.4	76.0	78.3	81.5	83.4	84.2	85.0	85.5	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
54.4	76.1	78.7	81.7	83.6	84.4	85.3	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
54.7	77.3	79.4	82.9	85.3	86.2	87.3	87.8	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
54.9	77.7	80.4	84.1	86.6	87.5	88.6	89.1	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
55.3	79.6	81.2	85.0	87.9	88.9	90.1	90.7	90.7	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
55.4	79.7	81.6	85.4	88.3	89.3	90.7	91.7	91.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
55.4	79.8	81.7	85.5	88.4	89.4	90.9	92.0	92.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
55.4	79.2	82.1	85.8	88.9	90.0	91.8	92.9	93.1	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
55.4	79.2	82.2	85.9	89.1	90.3	92.0	93.2	93.6	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
55.4	79.2	82.2	85.9	89.3	90.4	92.2	93.7	94.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
55.4	79.3	82.4	86.2	89.5	90.8	92.9	94.6	95.1	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
55.4	79.3	82.4	86.2	89.5	90.8	92.9	94.6	95.1	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
55.4	79.3	82.4	86.2	89.5	90.8	92.9	94.6	95.1	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
55.4	79.3	82.4	86.2	89.5	90.8	92.9	94.6	95.1	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 223

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7040-27  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEAR

JA  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

15-2-1722  
DATE

		VISIBILITY - STATUTE MILES															
		20	26	31	34	37	40	43	46	49	52	55	58	61	64	67	70
1000	FEET	37.6	37.3	34.1	34.9	39.1	39.1	39.1	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.4
900	FEET	37.8	46.6	47.5	48.3	49.6	48.6	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.4
800	FEET	39.3	47.3	48.7	48.9	49.3	49.3	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	50.1
700	FEET	38.3	47.6	48.5	49.3	49.8	49.8	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.6
600	FEET	39.8	49.3	50.7	51.5	52.7	52.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.8
500	FEET	42.4	53.6	54.6	55.7	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	57.0
400	FEET	45.7	57.5	59.5	59.8	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	61.1
300	FEET	45.5	56.1	59.2	60.7	61.2	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	62.2
200	FEET	47.1	61.9	63.3	64.8	65.4	65.4	65.4	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.4	66.9
100	FEET	40.2	64.0	65.6	67.1	67.8	67.8	68.1	68.5	68.5	68.5	68.5	68.7	68.7	68.7	68.8	69.2
0	FEET	49.9	66.7	68.2	69.8	70.7	70.7	71.0	71.5	71.5	71.7	71.5	71.8	71.8	71.8	71.9	72.3
0	FEET	49.8	68.5	70.5	72.1	73.0	73.0	73.4	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.3	74.9
0	FEET	50.9	69.9	71.9	73.4	74.5	74.5	75.0	75.5	75.5	75.6	75.7	75.7	75.7	75.7	75.9	76.3
0	FEET	52.5	72.8	75.1	76.7	77.9	78.0	78.4	79.0	79.0	79.1	79.2	79.2	79.2	79.2	79.3	79.7
0	FEET	53.4	73.9	76.5	78.5	79.6	80.1	80.5	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.4	81.8
0	FEET	53.7	75.0	77.7	80.4	81.6	82.1	82.6	83.2	83.2	83.3	83.4	83.4	83.4	83.4	83.5	83.9
0	FEET	54.9	77.0	80.4	83.2	84.6	85.0	85.6	86.2	86.2	86.3	86.4	86.4	86.4	86.4	86.5	86.9
0	FEET	55.0	77.4	80.8	83.8	85.3	85.7	86.4	86.9	86.9	87.0	87.2	87.2	87.2	87.2	87.3	87.7
0	FEET	55.0	77.5	81.0	83.9	85.4	85.8	86.5	87.0	87.0	87.2	87.3	87.3	87.3	87.3	87.4	87.8
0	FEET	55.1	77.7	81.4	84.4	85.9	86.4	87.2	87.7	87.7	88.0	88.2	88.2	88.2	88.5	88.6	89.0
0	FEET	55.1	78.5	82.3	85.3	86.9	87.4	88.6	89.3	89.3	89.7	89.9	89.9	89.9	90.3	90.4	90.9
0	FEET	55.1	79.2	83.1	86.2	87.9	88.4	89.9	90.5	90.5	91.1	91.4	91.4	91.7	91.7	91.8	92.4
0	FEET	55.4	79.5	83.6	86.8	88.6	89.0	90.6	91.7	91.7	92.5	92.7	92.7	93.0	93.0	93.1	93.7
0	FEET	55.4	79.5	83.6	86.8	88.7	89.1	90.8	91.9	91.9	92.8	93.0	93.0	93.6	93.6	93.7	94.2
0	FEET	55.4	79.6	83.8	87.0	89.9	89.4	91.1	92.2	92.2	93.2	93.6	93.6	94.2	94.2	94.4	94.9
0	FEET	55.4	79.6	83.8	87.2	89.3	89.8	91.6	92.7	93.0	94.0	94.4	94.4	95.0	95.0	95.1	95.7
0	FEET	55.4	79.6	83.8	87.2	89.5	90.1	92.0	93.2	93.6	94.7	95.0	95.0	95.8	95.8	95.9	96.5
0	FEET	55.4	79.6	83.8	87.2	89.5	90.3	92.2	93.8	94.1	95.7	96.1	96.1	97.0	97.0	97.1	97.7
0	FEET	55.4	79.6	83.8	87.2	89.5	90.3	92.4	93.9	94.2	96.3	96.8	96.8	97.7	97.8	97.9	98.6
0	FEET	55.4	79.6	83.8	87.2	89.5	90.3	92.4	93.9	94.2	96.6	97.1	97.1	98.0	98.2	98.4	99.1
0	FEET	55.4	79.6	83.8	87.2	89.5	90.3	92.4	93.9	94.2	96.6	97.1	97.3	98.2	98.4	98.7	99.8
0	FEET	55.4	79.6	83.8	87.2	89.5	90.3	92.4	93.9	94.2	96.6	97.1	97.3	98.2	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 923

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724557 PHILLIPS/ABERDEEN MD

46-57

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2400

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	32.0	43.0	43.5	44.1	44.1	44.2	44.3	44.4	44.4	44.6	44.6	44.5	44.7	44.7	44.9	45.1
900	36.2	48.7	49.5	50.2	50.2	50.3	50.4	50.5	50.5	50.7	50.7	50.7	50.8	50.8	50.9	51.2
800	36.7	49.2	49.9	50.6	50.6	50.7	50.8	50.9	50.9	51.2	51.2	51.2	51.3	51.3	51.4	51.6
700	36.7	49.7	50.5	51.4	51.5	51.6	51.7	51.8	51.8	52.0	52.0	52.0	52.2	52.2	52.3	52.5
600	37.8	51.9	52.7	53.6	53.7	53.8	53.9	54.0	54.0	54.3	54.3	54.3	54.4	54.4	54.5	54.7
500	39.4	54.6	55.7	56.6	56.7	56.8	56.9	57.0	57.0	57.4	57.4	57.4	57.6	57.6	57.7	57.9
400	41.9	58.8	60.0	61.0	61.1	61.2	61.4	61.5	61.5	61.8	61.8	61.8	62.0	62.0	62.1	62.3
300	42.1	59.2	60.5	61.5	61.6	61.7	61.8	62.0	62.0	62.5	62.5	62.5	62.7	62.7	62.8	63.0
200	43.2	62.3	63.7	64.8	64.9	65.0	65.3	65.6	65.6	66.0	66.0	66.0	66.2	66.3	66.4	66.7
100	44.1	64.1	65.7	66.8	66.9	67.0	67.3	67.6	67.6	68.0	68.0	68.0	68.2	68.3	68.4	68.7
0	45.2	66.8	68.5	70.0	70.2	70.3	70.9	71.1	71.1	71.5	71.5	71.5	71.8	71.9	72.0	72.2
1000	46.4	69.4	71.4	73.1	73.3	73.4	74.0	74.2	74.2	74.8	74.8	74.8	75.0	75.1	75.2	75.4
900	46.7	70.5	72.5	74.5	74.5	75.1	75.7	76.0	76.0	76.5	76.5	76.5	76.7	76.9	77.1	77.3
800	47.4	72.2	74.4	76.7	77.2	77.4	78.1	78.3	78.3	78.8	78.8	78.8	79.1	79.2	79.4	79.6
700	47.7	73.3	75.6	78.2	78.7	79.0	79.6	79.8	79.8	80.4	80.4	80.4	80.6	80.7	81.0	81.2
600	48.1	75.1	77.4	80.5	81.1	81.3	82.4	82.6	82.6	83.4	83.4	83.4	83.6	83.7	83.9	84.2
500	48.4	77.1	79.5	82.9	83.6	83.8	85.4	85.6	85.6	86.4	86.4	86.4	86.6	86.7	86.9	87.2
400	48.6	78.2	81.1	84.5	85.3	85.5	87.0	87.3	87.3	88.0	88.0	88.0	88.3	88.4	88.5	88.8
300	48.6	78.4	81.4	84.9	85.7	85.9	87.5	87.7	87.7	88.5	88.5	88.5	88.7	88.8	89.0	89.3
200	48.8	79.7	81.7	85.3	86.2	86.4	88.0	88.3	88.3	89.0	89.0	89.0	89.3	89.4	89.6	89.8
100	49.1	79.5	82.6	86.3	87.2	87.5	89.6	89.8	89.8	90.6	90.6	90.6	90.8	90.9	91.1	91.5
0	49.1	79.6	82.8	86.5	87.5	87.8	90.4	90.4	91.1	91.1	91.1	91.1	91.5	91.6	91.8	92.1
1000	49.1	79.6	82.8	86.5	87.5	87.8	90.7	90.7	91.6	91.6	91.6	91.6	92.0	92.2	92.6	92.9
900	49.1	79.7	82.9	86.7	87.8	88.2	91.3	91.5	91.5	92.5	92.5	92.5	93.2	93.5	93.8	94.1
800	49.1	79.8	83.1	86.9	88.0	88.4	91.5	91.7	91.7	92.7	92.7	92.7	93.8	94.0	94.5	94.8
700	49.1	79.8	83.1	86.9	88.0	88.4	91.5	91.7	91.9	92.9	92.9	92.9	94.2	94.5	95.2	95.6
600	49.1	79.8	83.1	87.2	88.4	88.7	91.9	92.1	92.4	93.9	93.9	93.9	95.5	95.7	96.5	96.8
500	49.1	79.8	83.1	87.2	88.4	88.7	91.9	92.2	92.5	94.0	94.0	94.0	95.6	95.8	96.7	97.1
400	49.1	79.8	83.1	87.2	88.4	88.7	92.0	92.5	92.7	94.7	94.7	94.7	96.2	96.5	97.3	97.7
300	49.1	79.8	83.1	87.2	88.4	88.7	92.0	92.5	92.7	94.7	94.9	94.9	96.6	96.8	97.8	98.1
200	49.1	79.8	83.1	87.2	88.4	88.7	92.0	92.5	92.7	94.9	95.1	95.1	96.8	97.0	98.0	98.9
100	49.1	79.8	83.1	87.2	88.4	88.7	92.0	92.5	92.7	95.0	95.2	95.2	96.9	97.1	98.1	98.9

TOTAL NUMBER OF OBSERVATIONS 523

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724-57

PHILLIPS/ABERDEEN MC

48-57

JA

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1117-2102

		VISIBILITY - STATUTE MILES															
		20	26	28	24	21	20	22	20	21	24	20	24	20	28	24	20
1000	FEET	27.1	41.0	41.5	42.4	42.7	42.9	43.0	43.1	43.1	43.4	43.6	43.6	43.7	43.9	43.9	44.4
900	FEET	33.1	45.4	46.3	47.3	47.6	47.7	47.8	48.0	48.0	48.3	48.5	48.5	48.7	48.7	48.7	49.3
800	FEET	33.4	46.1	47.1	48.0	48.3	48.4	48.5	48.6	48.6	48.9	49.2	49.2	49.4	49.4	49.4	49.9
700	FEET	33.6	46.8	47.7	48.7	49.2	49.4	49.5	49.6	49.6	49.9	50.2	50.2	50.4	50.4	50.4	50.9
600	FEET	34.3	46.9	49.8	50.6	51.3	51.5	51.6	51.7	51.7	52.0	52.3	52.3	52.5	52.5	52.5	53.0
500	FEET	35.5	51.4	52.6	53.6	54.0	54.3	54.4	54.5	54.5	54.8	55.0	55.0	55.3	55.3	55.3	55.8
400	FEET	34.6	57.3	59.5	59.5	59.9	60.1	60.7	60.4	60.4	60.7	60.9	60.9	61.1	61.1	61.1	61.7
300	FEET	39.7	57.8	59.1	60.1	60.6	60.8	60.9	61.1	61.1	61.5	61.7	61.7	61.9	61.9	61.9	62.5
200	FEET	39.8	59.9	61.4	62.5	62.9	63.1	63.2	63.5	63.5	63.8	64.0	64.0	64.2	64.6	64.6	65.1
100	FEET	40.3	61.8	63.2	64.3	64.8	65.0	65.1	65.3	65.3	65.7	65.9	65.9	66.1	66.4	66.4	67.0
50	FEET	41.3	64.5	66.1	67.4	67.9	68.1	68.2	68.4	68.4	68.8	69.0	69.0	69.2	69.5	69.7	70.2
40	FEET	42.9	67.4	69.3	70.8	71.3	71.5	72.0	72.2	72.2	72.5	72.8	72.8	73.0	73.3	73.4	74.0
30	FEET	43.2	69.3	70.7	71.8	72.3	72.5	73.0	73.2	73.2	73.5	73.8	73.8	74.0	74.3	74.5	75.1
20	FEET	43.7	69.7	71.9	73.5	74.2	74.4	74.9	75.1	75.1	75.4	75.6	75.6	75.9	76.2	76.4	77.0
10	FEET	43.9	69.9	72.2	74.0	74.6	74.9	75.3	75.5	75.5	75.9	76.1	76.1	76.3	76.6	76.9	77.4
5	FEET	44.5	72.2	74.9	77.0	78.0	78.6	79.1	79.3	79.3	79.6	79.8	79.8	80.1	80.4	80.6	81.2
0	FEET	45.3	74.0	76.6	78.7	79.8	80.6	81.1	81.3	81.3	81.6	81.8	81.8	82.1	82.4	82.7	83.3
900	FEET	45.5	76.0	78.7	81.3	82.5	83.4	83.9	84.2	84.3	84.6	84.8	84.8	85.0	85.4	85.7	86.3
800	FEET	45.5	76.5	79.3	81.8	83.1	83.9	84.5	84.7	84.8	85.2	85.4	85.4	85.6	85.9	86.3	86.8
700	FEET	45.6	76.9	79.6	82.2	83.4	84.3	84.9	85.2	85.3	85.7	85.9	85.9	86.2	86.5	86.8	87.4
600	FEET	45.6	77.3	81.1	82.8	84.4	85.4	86.3	86.5	86.6	87.0	87.3	87.3	87.5	87.8	88.2	88.7
500	FEET	45.6	77.9	81.7	83.8	85.6	86.7	87.8	88.0	88.3	88.7	88.9	88.9	89.3	89.6	89.9	90.5
400	FEET	45.6	77.9	80.7	83.8	85.6	86.7	87.8	88.0	88.3	88.7	89.0	89.0	89.4	89.7	90.0	90.6
300	FEET	45.6	78.0	80.8	84.2	86.2	87.6	88.9	89.1	89.4	89.8	90.4	90.4	90.7	91.1	91.4	91.9
200	FEET	45.6	78.1	81.0	84.4	86.4	87.8	89.4	89.6	89.8	90.4	90.9	90.9	91.3	91.6	92.2	92.8
100	FEET	45.6	78.1	81.0	84.4	86.5	88.0	90.0	90.0	90.6	91.1	92.0	92.0	92.4	92.7	93.4	93.9
50	FEET	45.6	78.1	81.0	84.6	86.8	88.7	90.7	91.1	91.4	92.0	92.9	92.9	93.8	94.1	94.4	95.5
0	FEET	45.6	78.2	81.1	84.9	87.2	89.1	91.1	91.8	92.0	92.7	93.7	93.7	94.8	95.1	95.8	96.6
900	FEET	45.6	78.2	81.1	84.9	87.2	89.1	91.1	91.8	92.1	93.1	94.1	94.1	95.2	95.6	96.2	97.0
800	FEET	45.6	78.2	81.1	84.9	87.2	89.1	91.1	91.8	92.1	93.1	94.6	94.6	95.9	96.2	96.9	97.9
700	FEET	45.6	78.2	81.1	84.9	87.2	89.3	91.3	91.9	92.2	93.2	94.7	94.7	96.2	96.6	97.6	99.3
600	FEET	45.6	78.2	81.1	84.9	87.2	89.3	91.3	91.9	92.2	93.2	94.7	94.7	96.2	96.6	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 903

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

74-57 PHILLIPS/ABERDEEN MD

48-57

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	200	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	27.7	33.7	37.2	37.1	38.6	38.7	39.7	39.1	39.2	39.3	39.4	39.4	39.5	39.5	39.5	39.9
900	32.2	42.5	43.3	44.4	45.0	45.2	45.4	45.6	45.6	45.8	45.8	45.8	45.9	45.9	46.2	46.4
800	32.5	42.9	43.7	44.8	45.4	45.6	45.8	46.0	46.1	46.2	46.3	46.3	46.4	46.4	46.4	46.4
700	32.7	43.4	44.2	45.4	46.0	46.2	46.5	46.7	46.7	46.9	46.9	46.9	47.1	47.1	47.1	47.5
600	33.3	45.4	46.3	47.4	48.1	48.3	48.6	48.6	48.6	49.0	49.0	49.0	49.2	49.2	49.3	49.6
500	35.3	48.5	49.5	50.8	51.5	51.7	52.0	52.2	52.2	52.4	52.5	52.5	52.6	52.6	52.7	53.1
400	37.3	52.1	53.3	54.7	55.5	55.7	56.0	56.2	56.7	56.5	56.5	56.6	56.8	56.8	56.9	57.3
300	38.3	53.1	54.3	55.7	56.6	56.9	57.2	57.4	57.5	57.8	57.8	57.9	58.1	58.1	58.1	58.6
200	39.5	55.5	57.0	58.5	59.6	59.8	60.2	60.5	60.5	60.8	60.9	61.0	61.2	61.2	61.4	61.8
100	40.3	57.4	58.9	60.5	61.6	61.8	62.3	62.5	62.5	62.9	63.0	63.1	63.3	63.4	63.4	63.9
50	41.5	60.3	62.2	64.0	65.3	65.5	66.0	66.4	66.4	66.7	66.8	66.9	67.1	67.2	67.3	67.7
0	42.5	62.5	64.7	66.6	67.9	68.2	68.9	69.2	69.3	69.6	69.7	69.8	70.0	70.1	70.2	70.6
1000	43.4	64.0	66.4	68.4	69.8	70.1	70.8	71.2	71.7	71.6	71.7	71.6	72.0	72.1	72.2	72.6
900	44.5	66.2	68.8	71.0	72.5	72.8	73.6	74.0	74.1	74.5	74.6	74.7	74.9	75.0	75.1	75.5
800	45.1	67.5	70.3	72.6	74.2	74.6	75.5	75.9	75.9	76.3	76.4	76.5	76.7	76.8	76.9	77.4
700	45.7	69.4	72.3	75.0	76.7	77.3	78.2	78.6	78.7	79.1	79.2	79.3	79.5	79.6	79.7	80.2
600	46.4	71.1	74.2	77.0	78.9	79.5	80.6	81.0	81.0	81.5	81.6	81.7	81.9	82.0	82.1	82.6
500	46.7	72.3	75.5	78.6	81.6	81.2	82.5	82.9	83.0	83.5	83.6	83.7	84.0	84.1	84.2	84.7
400	46.7	72.6	75.9	79.1	81.1	81.8	83.1	83.5	83.6	84.1	84.2	84.3	84.6	84.7	84.8	85.2
300	46.3	73.2	76.5	79.8	82.0	82.7	84.2	84.7	84.8	85.4	85.6	85.7	86.1	86.2	86.3	86.7
200	46.9	73.9	77.4	81.8	83.2	83.9	85.6	86.1	86.3	86.9	87.2	87.3	87.6	87.7	87.9	88.3
100	46.2	74.3	77.8	81.4	84.0	84.8	86.6	87.2	87.4	88.2	88.4	88.5	89.2	89.1	89.2	89.7
50	47.1	74.5	78.0	81.6	84.2	85.0	87.0	87.8	88.0	88.9	89.2	89.3	89.7	89.9	90.0	90.5
0	47.1	74.6	78.3	82.0	84.7	85.6	87.8	88.7	88.9	89.5	90.3	90.4	90.9	91.0	91.2	91.7
1000	47.0	74.8	78.5	82.3	85.0	86.0	88.4	89.3	89.5	90.5	91.0	91.1	91.6	91.7	92.0	92.5
900	47.1	74.6	78.5	82.4	85.3	86.2	88.7	89.7	90.0	91.2	91.6	91.9	92.5	92.6	92.9	93.4
800	47.1	74.9	79.6	82.6	85.6	86.7	89.3	90.4	90.7	92.1	92.7	92.8	93.6	93.8	94.1	94.6
700	47.0	74.9	79.6	82.6	85.7	86.6	89.6	90.9	91.2	92.9	93.6	93.8	94.6	94.8	95.2	95.7
600	47.1	74.9	79.6	82.7	85.8	86.9	89.7	91.1	91.4	93.3	94.2	94.4	95.4	95.6	96.0	96.6
500	47.1	74.9	79.6	82.7	85.8	87.0	89.8	91.1	91.5	93.6	94.6	94.8	96.0	96.2	96.7	97.5
400	47.0	74.9	79.6	82.7	85.8	87.0	89.8	91.1	91.5	93.7	94.7	95.0	96.2	96.4	97.1	98.5
300	47.0	74.9	79.6	82.7	85.8	87.0	89.8	91.1	91.5	93.7	94.7	95.0	96.2	96.5	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7222

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

784757

PHILLIPS/ABERDEEN MD

48-57

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1982-1988

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. TESTINGS	32.7	47.9	49.7	50.4	51.2	51.4	51.6	51.8	51.9	52.4	52.5	52.5	52.9	52.9	52.9	52.9
≥2000	33.7	49.4	50.4	51.8	52.7	52.8	53.0	53.2	53.2	53.8	53.9	53.9	54.3	54.3	54.3	54.4
≥1800	33.9	49.6	50.6	52.1	52.9	53.0	53.2	53.5	53.5	54.1	54.2	54.2	54.5	54.5	54.5	54.9
≥1600	33.9	49.7	50.8	52.2	53.0	53.1	53.4	53.6	53.6	54.2	54.3	54.3	54.7	54.7	54.7	55.2
≥1400	34.7	50.2	51.2	52.7	53.5	53.6	53.8	54.1	54.1	54.7	54.8	54.8	55.1	55.1	55.1	55.5
≥1200	35.3	52.9	53.9	55.5	56.4	56.5	56.8	57.0	57.0	57.6	57.7	57.7	58.1	58.1	58.1	58.4
≥1000	36.4	56.4	57.7	59.4	60.3	60.4	60.7	60.9	60.9	61.7	61.8	61.8	62.2	62.2	62.2	62.5
≥900	37.2	58.2	59.5	61.1	62.1	62.2	62.4	62.7	62.7	63.5	63.6	63.6	64.0	64.0	64.0	64.3
≥800	39.3	61.5	62.8	64.8	66.0	66.1	66.3	66.5	66.5	67.4	67.5	67.5	67.8	67.8	67.8	68.2
≥700	40.6	64.4	65.7	67.7	68.9	69.0	69.3	69.5	69.5	70.3	70.4	70.4	70.8	70.8	70.8	71.1
≥600	42.3	67.6	69.0	71.0	72.2	72.3	72.6	72.8	72.8	73.6	73.7	73.7	74.1	74.1	74.1	74.4
≥500	42.7	70.0	71.5	73.6	74.8	74.9	75.1	75.4	75.4	76.2	76.3	76.3	76.7	76.7	76.7	77.0
≥450	43.5	71.0	72.7	74.8	76.1	76.2	76.4	76.7	76.7	77.5	77.6	77.6	78.0	78.0	78.0	78.3
≥400	44.8	73.9	75.9	78.0	79.3	79.4	79.6	79.9	79.9	80.7	80.8	80.8	81.2	81.2	81.2	81.5
≥350	45.5	75.7	77.9	80.0	81.3	81.4	81.6	81.9	81.9	82.7	82.8	82.8	83.2	83.2	83.2	83.5
≥300	45.7	77.0	79.3	81.5	82.8	82.9	83.2	83.4	83.4	84.2	84.3	84.3	84.7	84.7	84.7	85.0
≥250	46.3	78.1	80.3	82.7	84.1	84.2	84.6	84.8	84.8	85.6	85.7	85.7	86.1	86.1	86.1	86.5
≥200	46.4	78.4	80.9	83.3	84.7	84.8	85.2	85.4	85.4	86.2	86.3	86.3	86.7	86.7	86.7	87.0
≥180	46.6	78.8	81.3	83.6	85.0	85.2	85.5	85.7	85.7	86.6	86.7	86.7	87.0	87.0	87.0	87.4
≥160	46.6	79.0	81.5	83.9	85.3	85.4	85.9	86.1	86.1	87.0	87.2	87.2	87.5	87.5	87.5	87.9
≥140	46.6	79.3	82.1	84.8	86.2	86.3	86.8	87.0	87.0	88.1	88.2	88.2	88.6	88.6	88.6	88.9
≥120	46.6	79.4	82.3	85.2	86.7	87.0	87.9	88.3	88.3	89.5	89.8	89.8	90.1	90.1	90.1	90.5
≥100	46.6	79.4	82.3	85.2	86.7	87.2	88.0	88.5	88.5	89.6	89.9	89.9	90.2	90.2	90.2	90.6
≥90	46.6	79.7	82.9	85.7	87.3	87.8	88.6	89.2	89.2	90.3	90.6	90.6	90.9	90.9	90.9	91.3
≥80	46.6	79.9	83.0	86.0	87.5	88.1	89.0	89.6	89.6	90.8	91.2	91.2	91.5	91.5	91.5	91.9
≥70	46.6	80.1	83.5	86.7	88.3	89.0	90.5	91.2	91.2	92.3	92.7	92.7	93.3	93.3	93.3	93.6
≥60	46.6	80.1	83.5	86.7	88.6	89.6	91.0	91.8	91.8	93.3	93.6	93.6	94.5	94.5	94.5	95.1
≥50	46.6	80.1	83.5	86.7	88.7	89.6	91.5	92.3	92.3	94.5	94.9	94.9	96.7	96.0	96.6	97.1
≥40	46.6	80.2	83.6	86.8	88.8	90.0	91.8	92.6	92.6	94.8	95.6	95.6	96.7	96.7	97.5	98.6
≥30	46.6	80.2	83.6	86.8	88.8	90.0	91.8	92.6	92.6	94.8	95.6	95.6	96.7	96.7	97.5	98.9
≥20	46.6	80.2	83.6	86.8	88.8	90.0	91.8	92.6	92.6	94.8	95.6	95.6	96.7	96.7	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 349

CENTRAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

74057 PHILLIPS/ABERDEEN MO

46-57

SEE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

200-2501

ELEVATION FEET		VISIBILITY IN MILES																			
		20	26	28	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
2000	29.1	44.2	45.6	47.1	47.9	48.1	48.4	48.6	48.6	48.6	48.6	48.9	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
1800	30.9	46.3	48.1	49.5	50.8	50.9	51.2	51.5	51.5	51.6	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
1600	31.1	46.5	48.3	50.2	51.0	51.1	51.5	51.7	51.7	51.8	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
1400	31.2	46.6	48.4	50.3	51.1	51.2	51.6	51.8	51.8	51.9	52.1	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
1200	31.4	47.5	49.7	51.1	51.9	52.1	52.4	52.8	52.8	52.9	53.0	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
1000	31.2	49.6	51.4	53.6	54.4	54.5	54.9	55.2	55.2	55.4	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
800	33.0	53.0	55.1	57.4	58.3	58.4	58.8	59.1	59.1	59.2	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
600	33.7	53.8	55.9	58.2	59.1	59.2	59.6	60.0	60.0	60.1	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
400	34.9	56.7	59.8	61.5	62.9	63.0	63.4	63.7	63.7	63.8	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
200	35.9	59.2	61.1	63.8	65.3	65.4	65.7	66.1	66.1	66.2	66.3	66.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
0	37.0	61.5	63.6	66.3	67.7	67.8	68.2	68.6	68.6	68.6	68.7	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2000	37.7	64.1	66.5	69.3	70.7	71.0	71.4	71.8	71.8	72.2	72.2	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
1800	39.1	65.6	68.4	71.1	72.7	73.0	73.4	73.9	73.9	74.0	74.2	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
1600	40.0	69.1	72.1	74.9	76.9	77.3	77.6	78.1	78.1	78.2	78.4	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
1400	40.4	70.0	73.0	75.9	77.9	78.2	78.6	79.0	79.0	79.2	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
1200	41.3	72.1	75.7	79.0	81.4	81.7	82.1	82.6	82.6	82.7	83.0	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
1000	41.6	72.8	76.6	80.7	83.0	83.4	83.7	84.2	84.2	84.3	84.7	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
800	42.0	73.6	77.9	82.1	84.7	85.0	85.5	86.0	86.0	86.1	86.5	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
600	42.1	73.7	78.0	82.2	84.8	85.2	85.6	86.1	86.1	86.2	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
400	42.2	74.0	78.3	83.2	85.9	86.2	86.6	87.3	87.3	87.4	87.8	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
200	42.2	74.3	79.2	83.6	86.3	86.7	87.3	87.8	87.8	87.9	88.2	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
0	42.2	74.4	79.4	84.0	86.9	87.3	88.0	88.6	88.6	89.2	89.5	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
2000	42.2	74.4	79.6	84.2	87.2	87.5	88.2	88.9	88.9	89.5	89.9	89.9	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
1800	42.2	74.7	79.9	84.6	87.8	88.3	89.2	90.1	90.1	90.9	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1600	42.2	74.7	80.0	84.9	88.3	88.9	89.9	90.9	90.9	91.8	92.1	92.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
1400	42.2	74.7	80.0	84.9	88.5	89.0	90.3	91.4	91.4	92.5	92.8	92.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
1200	42.2	74.7	80.1	85.0	88.8	89.6	91.0	92.1	92.2	93.4	93.8	93.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1000	42.2	74.7	80.1	85.0	88.8	89.8	91.5	92.6	92.7	94.1	94.9	94.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
800	42.2	74.7	80.1	85.1	88.8	89.8	91.8	92.8	92.9	94.5	95.4	95.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
600	42.2	74.7	80.1	85.0	88.8	89.8	91.8	92.8	92.9	94.5	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
400	42.2	74.7	80.1	85.0	88.8	89.8	91.8	92.8	92.9	94.5	95.6	95.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
200	42.2	74.7	80.1	85.0	88.8	89.8	91.8	92.8	92.9	94.5	95.6	95.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
0	42.2	74.7	80.1	85.0	88.8	89.8	91.8	92.8	92.9	94.5	95.6	95.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9

TOTAL NUMBER OF OBSERVATIONS 389





## CEILING VERSUS VISIBILITY

7-457

PHILLIPS/ABERDEEN MD

4-57

513

1905-1100

TOTAL NUMBER OF OBSERVATIONS 249

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/4AC

## CEILING VERSUS VISIBILITY

714057 PHILLIPS/ASERDEEN MD

46-57

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1227-1424

ELEVATION (FEET)		VISIBILITY (MILES)															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
0-100	31.2	36.4	36.6	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
101-200	32.3	46.3	47.0	47.9	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
201-300	39.2	47.2	47.9	49.0	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
301-400	40.3	47.5	48.2	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
401-500	41.6	48.8	49.5	50.5	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
501-600	43.0	52.7	53.4	54.4	54.6	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
601-700	44.5	55.6	56.5	58.0	58.3	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
701-800	45.5	56.9	57.8	59.6	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
801-900	46.6	59.6	61.5	62.4	62.9	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
901-1000	47.7	63.7	61.6	63.5	64.1	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
1001-1100	49.0	62.7	63.7	65.6	65.2	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
1101-1200	49.2	63.5	64.9	66.9	67.6	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
1201-1300	49.9	65.0	66.1	68.1	68.9	69.6	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
1301-1400	53.0	69.0	70.3	72.6	73.6	74.3	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
1401-1500	55.0	71.7	73.0	75.3	76.3	77.0	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
1501-1600	55.2	74.0	75.8	77.6	78.7	79.5	80.0	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3
1601-1700	56.7	75.4	77.1	79.6	80.8	81.6	82.2	82.4	82.6	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9
1701-1800	57.1	77.3	79.2	81.9	83.0	84.0	84.7	84.9	85.0	85.3	85.7	85.4	85.4	85.4	85.4	85.4	85.4
1801-1900	57.2	77.5	79.4	82.2	83.4	84.3	85.0	85.3	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7
1901-2000	57.5	76.1	80.0	83.2	84.7	86.0	86.9	87.2	87.7	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6
2001-2100	57.6	78.4	81.4	84.7	86.6	88.2	89.4	89.8	89.9	90.3	90.3	90.5	90.7	90.7	90.7	90.7	90.7
2101-2200	57.8	78.3	81.5	84.8	86.7	88.3	89.6	90.2	90.3	90.8	90.8	90.9	91.2	91.2	91.2	91.2	91.2
2201-2300	57.9	79.5	81.7	85.2	87.0	88.7	90.2	91.0	91.2	91.6	91.6	91.8	92.2	92.2	92.2	92.2	92.2
2301-2400	58.0	79.6	82.1	85.6	87.6	89.5	91.4	92.3	92.7	93.4	93.4	93.5	94.1	94.1	94.1	94.1	94.1
2401-2500	58.0	80.0	82.7	86.6	88.7	90.6	92.9	94.0	94.3	95.3	95.3	95.4	96.3	96.3	96.3	96.3	96.3
2501-2600	58.0	80.0	82.7	86.6	89.0	90.9	93.5	94.7	95.1	96.0	96.5	96.6	97.9	97.9	97.9	97.9	97.9
2601-2700	58.0	80.0	82.7	86.6	89.0	90.9	93.8	95.1	95.4	96.5	96.9	97.3	98.4	98.4	98.4	98.4	98.4
2701-2800	58.0	80.0	82.7	86.6	89.0	90.9	93.8	95.1	95.6	96.8	97.5	97.9	99.3	99.3	99.3	99.3	99.3
2801-2900	58.0	80.0	82.7	86.6	89.0	90.9	93.8	95.1	95.6	96.8	97.6	98.0	99.5	99.5	99.5	99.5	99.5
2901-3000	58.0	80.0	82.7	86.6	89.0	90.9	93.8	95.1	95.6	96.8	97.6	98.0	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 549

USAF ETAC 0-14-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

48-57

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

45-2-1722

39.1	43.2	47.7	43.0	47.9	43.9	47.9	43.9	47.9	43.9	47.9	43.9	47.9	43.9	47.9	43.9
41.2	51.5	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
41.5	51.9	52.4	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
41.5	51.9	52.4	52.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
47.1	54.1	54.3	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
49.3	57.7	58.5	58.8	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
2.3	61.2	62.1	62.5	67.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
3.4	62.2	63.7	64.2	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
55.4	66.1	66.7	67.6	67.8	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
55.3	68.0	68.2	69.6	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
56.5	69.4	71.3	71.1	71.4	71.7	71.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
56.1	70.6	71.5	72.3	72.6	72.6	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
57.4	72.1	73.1	74.6	74.2	74.6	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
59.7	74.7	75.7	76.7	77.2	77.4	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
61.0	76.2	77.4	78.6	79.2	79.5	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
62.1	78.3	79.7	80.9	81.6	82.0	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
62.3	79.0	80.6	81.7	82.7	83.0	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
62.3	81.0	81.5	82.2	82.7	84.1	85.3	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
62.4	83.2	81.9	83.0	84.0	84.3	85.5	86.2	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5
62.7	85.7	82.3	83.4	84.8	85.4	86.7	87.5	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8
63.1	81.2	82.8	84.6	85.5	86.1	87.4	88.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
63.1	91.4	83.0	84.6	85.9	86.5	87.9	88.6	88.9	89.2	89.5	89.5	89.5	89.5	89.5	89.5
63.4	82.2	83.9	85.6	86.7	87.3	88.7	89.0	90.1	90.8	91.0	91.0	91.0	91.0	91.0	91.0
63.4	82.4	84.2	86.6	87.5	87.8	89.2	90.7	92.6	91.6	92.2	92.2	92.1	92.1	92.2	92.3
63.4	82.8	84.7	86.5	87.5	88.3	91.2	91.9	92.1	92.9	93.3	93.3	93.4	93.4	93.4	93.5
63.5	83.0	85.2	86.9	88.1	88.9	91.0	92.8	93.1	94.2	94.6	94.6	94.8	94.8	94.9	95.1
63.5	83.1	85.2	87.2	87.6	89.5	91.8	93.5	93.9	95.5	95.7	95.9	96.5	96.7	97.1	97.3
63.5	83.3	85.2	87.2	88.6	89.5	91.8	93.8	94.1	96.2	96.3	96.6	97.5	97.8	98.4	98.6
63.5	83.5	85.2	87.2	88.6	89.5	91.8	93.8	94.1	96.2	96.6	96.6	97.5	97.8	98.6	98.6
63.5	83.5	85.2	87.2	88.6	89.6	91.9	94.2	94.2	96.5	97.4	97.4	98.5	98.1	98.9	99.1
63.5	83.5	85.2	87.2	88.6	89.6	91.9	94.2	94.3	96.6	97.4	97.4	98.5	98.7	99.5	99.9

TOTAL NUMBER OF OBSERVATIONS 249

USAF F-4A 0-14-5 OL A previous editions of this form are obsolete

## CEILING VERSUS VISIBILITY

44-57

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

TOTAL NUMBER OF OBSERVATIONS 20

U.S. AIR FORCE  
METEOROLOGICAL BRANCH  
AIR WEATHER SERVICE / MAC

## CEILING VERSUS VISIBILITY

STATION: PHILLIPS AFB, TEXAS

46-57

510

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

11-2-5000

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 17.3 | 49.1 | 51.2 | 52.3 | 52.4 | 52.4 | 52.7 | 52.7 | 52.7 | 52.8 | 52.8 | 52.8 | 53.4 | 53.4 | 53.4 |
| 18.4 | 52.5 | 54.1 | 55.2 | 55.5 | 55.5 | 55.9 | 55.9 | 56.1 | 56.1 | 56.1 | 56.3 | 56.3 | 56.3 | 56.3 |
| 19.5 | 51.8 | 54.1 | 55.4 | 55.8 | 55.8 | 56.1 | 56.1 | 56.1 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| 20.6 | 53.2 | 55.1 | 56.1 | 56.4 | 56.4 | 56.7 | 56.7 | 56.7 | 56.9 | 56.9 | 56.9 | 57.4 | 57.4 | 57.4 |
| 21.4 | 55.0 | 56.8 | 57.0 | 57.4 | 57.4 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 58.4 | 58.4 | 58.4 |
| 22.3 | 57.6 | 59.2 | 61.2 | 61.7 | 61.7 | 62.2 | 62.2 | 62.2 | 62.1 | 62.1 | 62.1 | 62.7 | 62.7 | 62.7 |
| 23.4 | 61.7 | 63.9 | 65.7 | 66.5 | 66.5 | 66.9 | 66.9 | 66.9 | 67.3 | 67.3 | 67.3 | 67.6 | 67.6 | 67.6 |
| 24.2 | 63.3 | 65.7 | 67.5 | 68.2 | 68.2 | 68.6 | 68.6 | 68.6 | 68.8 | 68.8 | 68.8 | 69.3 | 69.3 | 69.3 |
| 25.4 | 66.2 | 68.5 | 70.7 | 71.3 | 71.3 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 72.4 | 72.4 | 72.4 |
| 26.2 | 68.2 | 71.5 | 73.2 | 73.3 | 73.3 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 74.4 | 74.4 | 74.4 |
| 27.4 | 70.5 | 73.7 | 75.4 | 76.3 | 76.3 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 77.4 | 77.4 | 77.4 |
| 28.1 | 72.2 | 74.5 | 77.1 | 77.9 | 77.9 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 79.1 | 79.1 | 79.1 |
| 29.1 | 73.3 | 75.8 | 78.2 | 79.2 | 79.2 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 80.3 | 80.3 | 80.3 |
| 30.1 | 75.4 | 77.5 | 80.2 | 81.3 | 81.3 | 82.1 | 82.1 | 82.1 | 82.2 | 82.2 | 82.2 | 82.8 | 82.8 | 82.8 |
| 31.3 | 76.4 | 79.1 | 81.5 | 82.5 | 82.5 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 84.1 | 84.1 | 84.1 |
| 32.4 | 77.7 | 81.7 | 83.4 | 84.2 | 84.2 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.4 | 85.4 | 85.4 |
| 33.4 | 77.9 | 81.9 | 83.3 | 84.4 | 84.4 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.6 | 85.6 | 85.6 |
| 34.4 | 77.9 | 81.2 | 82.4 | 84.6 | 84.6 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.7 | 85.7 | 85.7 |
| 35.4 | 77.7 | 81.7 | 83.5 | 84.0 | 84.9 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 86.1 | 86.1 | 86.1 |
| 36.4 | 77.7 | 81.7 | 83.5 | 84.9 | 84.9 | 85.8 | 85.8 | 85.8 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 |
| 37.4 | 78.1 | 81.1 | 83.8 | 85.4 | 85.4 | 86.6 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 87.7 | 87.7 | 87.7 |
| 38.1 | 78.7 | 81.3 | 84.4 | 86.6 | 86.6 | 88.1 | 88.3 | 88.3 | 88.6 | 88.6 | 88.6 | 89.9 | 89.9 | 89.9 |
| 39.1 | 78.7 | 81.3 | 84.6 | 86.8 | 86.8 | 88.9 | 88.6 | 88.6 | 89.2 | 89.2 | 89.2 | 90.4 | 90.4 | 90.4 |
| 40.1 | 78.2 | 82.3 | 85.7 | 87.6 | 87.6 | 89.7 | 89.6 | 89.6 | 90.2 | 90.2 | 90.2 | 91.2 | 91.2 | 91.2 |
| 41.1 | 79.2 | 82.7 | 85.7 | 88.1 | 88.3 | 90.7 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 91.7 | 91.7 | 91.7 |
| 42.1 | 79.2 | 82.7 | 85.7 | 88.1 | 88.3 | 90.7 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 91.7 | 91.7 | 91.7 |
| 43.1 | 79.2 | 82.7 | 85.7 | 88.1 | 88.3 | 90.7 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 91.7 | 91.7 | 91.7 |
| 44.1 | 79.2 | 82.7 | 85.7 | 88.1 | 88.3 | 90.7 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 91.7 | 91.7 | 91.7 |
| 45.1 | 79.2 | 82.7 | 85.7 | 88.1 | 88.3 | 90.7 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 91.7 | 91.7 | 91.7 |
| 46.1 | 79.2 | 82.7 | 85.7 | 88.1 | 88.3 | 90.7 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 91.7 | 91.7 | 91.7 |
| 47.1 | 79.2 | 82.7 | 85.7 | 88.1 | 88.3 | 90.7 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 91.7 | 91.7 | 91.7 |
| 48.1 | 79.2 | 82.7 | 85.7 | 88.1 | 88.3 | 90.7 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 91.7 | 91.7 | 91.7 |
| 49.1 | 79.2 | 82.7 | 85.7 | 88.1 | 88.3 | 90.7 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 91.7 | 91.7 | 91.7 |
| 50.1 | 79.2 | 82.7 | 85.7 | 88.1 | 88.3 | 90.7 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 91.7 | 91.7 | 91.7 |

TOTAL NUMBER OF OBSERVATIONS 48

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

744-57 PHILLIPS/ABERDEEN MC

4c-57

FILE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

|      |      | VISIBILITY STATISTICS |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
|------|------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
|      |      | 0                     | 20   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12   | 11   | 10   | 9    |  |
| 1000 | FEET | 32.4                  | 42.3 | 43.5 | 44.6 | 45.4 | 45.5 | 45.9 | 46.0 | 46.1 | 46.2 | 46.3 | 46.3 | 46.5 | 46.7 | 46.5 | 46.6 | 46.6 | 46.6 | 46.6 |  |
| 900  | FEET | 26.2                  | 47.2 | 48.5 | 50.6 | 50.8 | 50.9 | 51.3 | 51.4 | 51.5 | 51.6 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 |  |
| 800  | FEET | 36.4                  | 47.5 | 48.9 | 51.5 | 51.2 | 51.4 | 51.8 | 51.9 | 51.9 | 52.1 | 52.2 | 52.2 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 |  |
| 700  | FEET | 36.5                  | 47.7 | 49.1 | 51.7 | 51.5 | 51.6 | 52.0 | 52.2 | 52.2 | 52.3 | 52.4 | 52.4 | 52.6 | 52.7 | 52.7 | 52.8 | 52.8 | 52.8 | 52.8 |  |
| 600  | FEET | 37.3                  | 49.4 | 50.9 | 52.5 | 53.3 | 53.4 | 53.9 | 54.0 | 54.1 | 54.1 | 54.2 | 54.2 | 54.4 | 54.4 | 54.5 | 54.5 | 54.6 | 54.6 | 54.6 |  |
| 500  | FEET | 30.9                  | 52.1 | 53.7 | 55.5 | 56.4 | 56.6 | 57.0 | 57.2 | 57.2 | 57.4 | 57.4 | 57.4 | 57.4 | 57.7 | 57.7 | 57.7 | 57.9 | 57.9 | 57.9 |  |
| 400  | FEET | 40.3                  | 55.8 | 57.6 | 59.0 | 61.5 | 60.8 | 61.2 | 61.4 | 61.4 | 61.6 | 61.7 | 61.7 | 61.9 | 61.9 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 |  |
| 300  | FEET | 41.4                  | 57.0 | 58.8 | 60.9 | 61.9 | 62.1 | 62.6 | 62.7 | 62.8 | 63.0 | 63.0 | 63.0 | 63.3 | 63.3 | 63.3 | 63.3 | 63.5 | 63.5 | 63.5 |  |
| 200  | FEET | 42.0                  | 59.7 | 61.6 | 63.9 | 65.1 | 65.3 | 65.9 | 66.0 | 66.0 | 66.3 | 66.4 | 66.4 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |  |
| 100  | FEET | 43.7                  | 61.7 | 63.6 | 66.0 | 67.2 | 67.5 | 68.0 | 68.2 | 68.2 | 68.5 | 68.5 | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |  |
| 0    | FEET | 44.7                  | 63.7 | 65.7 | 68.2 | 69.4 | 69.7 | 70.3 | 70.5 | 70.5 | 70.7 | 70.8 | 70.8 | 71.1 | 71.1 | 71.1 | 71.1 | 71.3 | 71.3 | 71.3 |  |
| 1000 | FEET | 45.5                  | 65.6 | 67.7 | 70.2 | 71.5 | 71.8 | 72.4 | 72.7 | 72.7 | 72.9 | 73.0 | 73.0 | 73.3 | 73.3 | 73.3 | 73.3 | 73.5 | 73.5 | 73.5 |  |
| 900  | FEET | 46.5                  | 67.2 | 69.4 | 72.0 | 73.3 | 73.7 | 74.3 | 74.5 | 74.5 | 74.8 | 74.9 | 74.9 | 75.1 | 75.1 | 75.1 | 75.2 | 75.4 | 75.4 | 75.4 |  |
| 800  | FEET | 48.1                  | 70.0 | 72.4 | 75.1 | 76.6 | 77.0 | 77.9 | 78.1 | 78.2 | 78.4 | 78.5 | 78.5 | 78.9 | 78.9 | 78.9 | 79.0 | 79.1 | 79.1 | 79.1 |  |
| 700  | FEET | 49.1                  | 71.4 | 73.9 | 76.8 | 78.3 | 78.7 | 79.6 | 79.9 | 79.9 | 80.2 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.6 | 80.8 | 80.8 | 80.8 |  |
| 600  | FEET | 49.9                  | 73.1 | 75.8 | 78.8 | 80.5 | 80.9 | 81.8 | 82.2 | 82.2 | 82.5 | 82.6 | 82.6 | 82.9 | 82.9 | 82.9 | 83.2 | 83.2 | 83.2 | 83.2 |  |
| 500  | FEET | 50.2                  | 73.8 | 76.6 | 79.8 | 81.6 | 82.0 | 83.1 | 83.5 | 83.5 | 83.8 | 84.0 | 84.0 | 84.3 | 84.3 | 84.3 | 84.3 | 84.6 | 84.6 | 84.6 |  |
| 400  | FEET | 50.4                  | 74.6 | 77.6 | 80.9 | 82.8 | 83.3 | 84.3 | 84.8 | 84.8 | 85.2 | 85.4 | 85.4 | 85.7 | 85.7 | 85.7 | 85.7 | 86.0 | 86.0 | 86.0 |  |
| 300  | FEET | 50.4                  | 74.8 | 77.7 | 81.1 | 83.1 | 83.6 | 84.6 | 85.1 | 85.2 | 85.5 | 85.7 | 85.7 | 85.7 | 86.0 | 86.1 | 86.1 | 86.3 | 86.3 | 86.3 |  |
| 200  | FEET | 50.6                  | 75.0 | 78.1 | 81.7 | 83.8 | 84.4 | 85.6 | 86.2 | 86.2 | 86.7 | 86.9 | 86.9 | 87.2 | 87.2 | 87.2 | 87.3 | 87.5 | 87.5 | 87.5 |  |
| 100  | FEET | 50.6                  | 75.3 | 78.5 | 82.2 | 84.4 | 85.1 | 86.4 | 87.0 | 87.0 | 87.5 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 88.4 | 88.4 | 88.4 |  |
| 0    | FEET | 50.8                  | 75.6 | 79.0 | 82.7 | 85.1 | 85.8 | 87.4 | 88.0 | 88.1 | 88.0 | 89.0 | 89.0 | 89.3 | 89.3 | 89.7 | 89.8 | 89.9 | 90.0 | 90.0 |  |
| 1000 | FEET | 50.8                  | 75.8 | 79.2 | 83.0 | 85.4 | 86.2 | 87.8 | 88.6 | 88.7 | 89.6 | 89.9 | 89.9 | 90.3 | 90.4 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 |  |
| 900  | FEET | 50.8                  | 76.0 | 79.5 | 83.4 | 85.9 | 86.7 | 88.4 | 89.3 | 89.4 | 90.3 | 90.6 | 90.7 | 91.2 | 91.2 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 |  |
| 800  | FEET | 50.9                  | 76.2 | 79.7 | 83.7 | 86.3 | 87.2 | 89.1 | 90.1 | 90.3 | 91.3 | 91.7 | 91.7 | 92.3 | 92.3 | 92.3 | 92.4 | 92.7 | 92.7 | 92.7 |  |
| 700  | FEET | 50.9                  | 76.4 | 80.0 | 84.1 | 86.9 | 87.8 | 90.0 | 91.1 | 91.7 | 92.5 | 92.9 | 92.9 | 93.7 | 93.8 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 |  |
| 600  | FEET | 50.9                  | 76.4 | 80.0 | 84.3 | 87.2 | 88.2 | 90.6 | 91.8 | 92.0 | 93.5 | 94.0 | 94.1 | 95.1 | 95.2 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 |  |
| 500  | FEET | 50.8                  | 76.4 | 80.1 | 84.3 | 87.2 | 88.5 | 90.9 | 92.2 | 92.4 | 94.0 | 94.5 | 94.7 | 95.8 | 96.0 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 |  |
| 400  | FEET | 50.9                  | 76.4 | 80.1 | 84.3 | 87.3 | 88.5 | 91.0 | 92.4 | 92.6 | 94.5 | 95.2 | 95.4 | 96.6 | 96.8 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 |  |
| 300  | FEET | 50.8                  | 76.4 | 80.1 | 84.3 | 87.3 | 88.5 | 91.1 | 92.5 | 92.6 | 94.7 | 95.6 | 95.8 | 97.2 | 97.5 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |  |
| 200  | FEET | 50.4                  | 76.4 | 80.1 | 84.3 | 87.3 | 88.5 | 91.1 | 92.5 | 92.8 | 94.8 | 95.7 | 95.9 | 97.4 | 97.7 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 |  |
| 100  | FEET | 50.8                  | 76.4 | 80.1 | 84.3 | 87.3 | 88.5 | 91.1 | 92.5 | 92.8 | 94.8 | 95.7 | 95.9 | 97.4 | 97.7 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |  |

TOTAL NUMBER OF OBSERVATIONS 6701

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

70457 PHILLIPS/ABERDEEN MD

40-57

MA

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-2000

| VISIBILITY STATEMENTS |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| FEET                  | 20   | 21   | 24   | 25   | 26   | 27   | 28   | 29   | 30   | 31   | 32   | 33   | 34   | 35   | 36   | 37   | 38   | 39   | 40   | 41   |
| 1000                  | 30.8 | 41.8 | 49.4 | 50.2 | 50.8 | 50.8 | 51.8 | 51.6 | 50.8 | 50.4 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| 900                   | 41.1 | 51.5 | 52.0 | 52.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| 800                   | 41.8 | 51.5 | 52.0 | 52.9 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| 700                   | 41.2 | 51.8 | 52.4 | 53.2 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| 600                   | 43.7 | 53.1 | 53.7 | 54.5 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 500                   | 44.3 | 55.3 | 55.4 | 56.7 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| 400                   | 46.8 | 58.6 | 59.2 | 60.2 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| 300                   | 48.2 | 60.1 | 60.8 | 61.7 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| 200                   | 49.1 | 61.8 | 62.5 | 63.5 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 100                   | 50.4 | 64.1 | 64.8 | 65.9 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| 0                     | 53.3 | 67.7 | 69.6 | 69.7 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| 1000                  | 54.4 | 70.6 | 71.5 | 72.7 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 900                   | 54.7 | 71.8 | 72.9 | 74.0 | 74.5 | 74.7 | 74.7 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| 800                   | 55.5 | 73.4 | 74.6 | 75.9 | 76.5 | 76.8 | 76.8 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| 700                   | 55.7 | 74.7 | 76.1 | 77.4 | 78.0 | 78.3 | 78.3 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| 600                   | 56.7 | 77.0 | 78.8 | 81.1 | 82.6 | 81.2 | 81.2 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| 500                   | 56.3 | 78.3 | 80.1 | 81.8 | 82.4 | 82.7 | 82.9 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 400                   | 56.2 | 79.6 | 81.4 | 83.4 | 84.0 | 84.3 | 84.5 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| 300                   | 56.7 | 79.6 | 81.5 | 83.5 | 84.1 | 84.4 | 84.6 | 84.9 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 200                   | 57.1 | 79.8 | 81.8 | 84.0 | 84.5 | 84.8 | 85.1 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 100                   | 57.1 | 81.4 | 82.5 | 85.1 | 85.9 | 86.5 | 86.7 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 0                     | 57.1 | 81.1 | 83.0 | 86.2 | 87.5 | 88.2 | 88.4 | 88.7 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| 1000                  | 57.1 | 81.3 | 83.4 | 86.9 | 88.2 | 88.9 | 89.1 | 89.5 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 900                   | 57.1 | 81.3 | 83.4 | 87.1 | 88.5 | 89.2 | 89.5 | 89.8 | 89.8 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 800                   | 57.1 | 81.5 | 83.9 | 87.7 | 89.6 | 90.3 | 91.0 | 91.3 | 91.3 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| 700                   | 57.1 | 81.6 | 84.3 | 87.8 | 90.0 | 90.9 | 91.8 | 92.4 | 92.5 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| 600                   | 57.1 | 81.7 | 84.1 | 88.0 | 90.1 | 91.2 | 92.5 | 93.2 | 93.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| 500                   | 57.1 | 81.7 | 84.1 | 88.3 | 90.2 | 91.3 | 92.9 | 93.6 | 93.9 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| 400                   | 57.1 | 81.7 | 84.1 | 88.0 | 90.2 | 91.3 | 92.9 | 93.9 | 94.1 | 95.6 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 300                   | 57.1 | 81.7 | 84.1 | 88.3 | 90.5 | 91.6 | 93.2 | 94.2 | 94.4 | 95.9 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 200                   | 57.1 | 81.7 | 84.1 | 88.3 | 90.5 | 91.6 | 93.2 | 94.2 | 94.4 | 95.9 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |

TOTAL NUMBER OF OBSERVATIONS 931

CLIMATE CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

704 57 PHILLIPS/ABERDEEN MD

48-57

MA

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1302-0520

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | 20                       | 26   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12   |
| 100             | 38.4                     | 47.8 | 41.7 | 49.6 | 50.6 | 50.8 | 50.9 | 50.9 | 50.9 | 51.2 | 51.2 | 51.2 | 51.5 | 51.5 | 51.7 | 51.8 |
| 150             | 41.2                     | 50.2 | 51.7 | 52.8 | 53.8 | 53.8 | 53.9 | 53.9 | 53.9 | 54.2 | 54.2 | 54.2 | 54.5 | 54.5 | 54.7 | 54.8 |
| 200             | 40.2                     | 51.0 | 51.7 | 52.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 54.3 | 54.3 | 54.3 | 54.6 | 54.6 | 54.9 | 54.9 |
| 250             | 40.6                     | 51.4 | 52.3 | 53.3 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 | 54.7 | 54.7 | 54.7 | 55.1 | 55.1 | 55.3 | 55.4 |
| 300             | 41.7                     | 53.1 | 54.0 | 55.1 | 56.0 | 56.0 | 56.1 | 56.1 | 56.1 | 56.5 | 56.5 | 56.5 | 56.8 | 56.8 | 57.1 | 57.1 |
| 350             | 42.7                     | 54.8 | 55.7 | 56.9 | 57.8 | 57.8 | 58.0 | 58.0 | 58.0 | 58.3 | 58.3 | 58.3 | 58.6 | 58.6 | 58.8 | 58.9 |
| 400             | 43.4                     | 57.0 | 58.0 | 59.1 | 60.1 | 60.1 | 60.2 | 60.2 | 60.2 | 60.5 | 60.5 | 60.5 | 60.9 | 60.9 | 61.1 | 61.2 |
| 450             | 44.4                     | 58.0 | 59.9 | 60.1 | 61.1 | 61.1 | 61.2 | 61.2 | 61.2 | 61.5 | 61.5 | 61.5 | 61.8 | 61.8 | 62.0 | 62.2 |
| 500             | 46.0                     | 60.2 | 61.2 | 62.4 | 63.3 | 63.3 | 63.5 | 63.7 | 63.7 | 64.0 | 64.0 | 64.0 | 64.3 | 64.3 | 64.5 | 64.6 |
| 550             | 46.2                     | 61.9 | 62.8 | 64.1 | 65.1 | 65.1 | 65.3 | 65.4 | 65.4 | 65.7 | 65.7 | 65.7 | 66.0 | 66.0 | 66.2 | 66.3 |
| 600             | 47.5                     | 64.2 | 65.6 | 66.8 | 67.7 | 67.7 | 68.0 | 68.1 | 68.1 | 68.4 | 68.4 | 68.4 | 68.7 | 68.7 | 68.9 | 69.0 |
| 650             | 49.3                     | 65.6 | 67.1 | 68.3 | 69.6 | 69.6 | 69.8 | 69.9 | 69.9 | 70.2 | 70.2 | 70.2 | 70.5 | 70.5 | 70.8 | 70.9 |
| 700             | 49.9                     | 67.4 | 68.9 | 70.2 | 71.5 | 71.5 | 71.7 | 71.8 | 71.8 | 72.2 | 72.2 | 72.2 | 72.5 | 72.5 | 72.7 | 72.8 |
| 750             | 51.2                     | 68.9 | 71.0 | 72.3 | 73.7 | 73.7 | 73.9 | 74.1 | 74.1 | 74.4 | 74.4 | 74.4 | 74.7 | 74.7 | 74.9 | 75.1 |
| 800             | 51.5                     | 71.2 | 73.7 | 74.9 | 76.3 | 76.3 | 76.6 | 76.8 | 76.8 | 77.1 | 77.1 | 77.1 | 77.4 | 77.4 | 77.6 | 77.7 |
| 850             | 52.5                     | 73.8 | 76.5 | 77.8 | 79.2 | 79.2 | 79.7 | 79.9 | 79.9 | 80.2 | 80.2 | 80.2 | 80.5 | 80.5 | 80.8 | 80.9 |
| 900             | 52.6                     | 74.5 | 77.5 | 79.0 | 80.4 | 80.4 | 80.9 | 81.1 | 81.1 | 81.5 | 81.5 | 81.5 | 81.8 | 81.8 | 82.0 | 82.2 |
| 950             | 52.7                     | 76.1 | 79.2 | 81.0 | 82.4 | 82.4 | 82.8 | 83.0 | 83.0 | 83.4 | 83.4 | 83.4 | 83.8 | 83.8 | 84.0 | 84.1 |
| 1000            | 52.7                     | 76.5 | 79.6 | 81.3 | 82.7 | 82.7 | 83.1 | 83.3 | 83.3 | 83.8 | 83.8 | 83.8 | 84.1 | 84.1 | 84.3 | 84.4 |
| 1050            | 52.7                     | 77.0 | 80.1 | 81.9 | 83.3 | 83.3 | 83.9 | 84.1 | 84.1 | 84.5 | 84.5 | 84.5 | 84.9 | 84.9 | 85.2 | 85.3 |
| 1100            | 52.7                     | 77.3 | 81.0 | 83.2 | 84.8 | 84.8 | 85.1 | 85.7 | 86.0 | 86.0 | 86.5 | 86.5 | 86.9 | 86.9 | 87.1 | 87.2 |
| 1150            | 52.7                     | 77.6 | 81.3 | 83.9 | 86.1 | 86.1 | 86.5 | 87.2 | 87.7 | 87.7 | 88.0 | 88.3 | 88.7 | 88.7 | 89.0 | 89.1 |
| 1200            | 52.7                     | 77.6 | 81.7 | 84.0 | 86.2 | 86.2 | 86.6 | 87.3 | 87.8 | 87.8 | 88.5 | 88.5 | 89.0 | 89.0 | 89.2 | 89.4 |
| 1250            | 52.7                     | 77.6 | 81.3 | 84.3 | 86.8 | 87.1 | 88.0 | 88.6 | 88.6 | 89.4 | 89.4 | 89.4 | 89.8 | 89.8 | 90.1 | 90.3 |
| 1300            | 52.7                     | 77.7 | 81.5 | 84.5 | 87.1 | 87.4 | 88.5 | 89.1 | 89.1 | 89.9 | 89.9 | 89.9 | 90.3 | 90.3 | 90.6 | 90.9 |
| 1350            | 52.7                     | 78.0 | 81.7 | 84.9 | 87.6 | 88.1 | 89.5 | 90.1 | 90.1 | 91.0 | 91.0 | 91.0 | 91.4 | 91.4 | 91.6 | 91.8 |
| 1400            | 52.7                     | 78.0 | 81.7 | 85.2 | 88.1 | 88.7 | 90.5 | 91.2 | 91.2 | 92.0 | 92.0 | 92.0 | 92.6 | 92.6 | 93.4 | 93.7 |
| 1450            | 52.7                     | 78.0 | 81.7 | 85.4 | 88.7 | 89.5 | 91.8 | 92.5 | 92.5 | 93.4 | 93.7 | 93.7 | 94.5 | 94.5 | 95.4 | 95.6 |
| 1500            | 52.7                     | 78.0 | 81.7 | 85.4 | 88.7 | 89.5 | 91.8 | 92.6 | 92.6 | 93.9 | 94.1 | 94.1 | 95.2 | 95.5 | 96.3 | 96.6 |
| 1550            | 52.7                     | 78.0 | 81.7 | 85.6 | 88.9 | 89.7 | 92.3 | 93.0 | 93.0 | 94.3 | 94.5 | 94.5 | 95.6 | 95.9 | 97.2 | 97.7 |
| 1600            | 52.7                     | 78.0 | 81.7 | 85.7 | 89.0 | 89.8 | 92.4 | 93.1 | 93.1 | 94.4 | 94.6 | 94.6 | 96.0 | 96.3 | 97.1 | 98.9 |
| 1650            | 52.7                     | 78.0 | 81.7 | 85.7 | 89.0 | 89.8 | 92.4 | 93.1 | 93.1 | 94.4 | 94.6 | 94.6 | 96.0 | 96.3 | 97.1 | 98.9 |

TOTAL NUMBER OF OBSERVATIONS 570

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN, MD

45-57

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

600-0000

| CEILING<br>FEET | VISIBILITY STATISTICAL |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | 20                     | 26   | 32   | 38   | 44   | 50   | 56   | 62   | 68   | 74   | 80   | 86   | 92   | 98   | 104  | 110   |
| 1000            | 42.2                   | 42.3 | 43.0 | 44.8 | 45.5 | 45.9 | 46.5 | 46.5 | 46.5 | 46.7 | 46.7 | 46.7 | 46.8 | 46.8 | 46.9 | 47.4  |
| 900             | 34.4                   | 45.3 | 47.2 | 48.4 | 49.1 | 49.6 | 50.2 | 50.3 | 50.7 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 51.4  |
| 800             | 34.5                   | 45.4 | 47.2 | 48.6 | 49.5 | 50.0 | 50.6 | 50.8 | 50.9 | 51.0 | 51.0 | 51.0 | 51.1 | 51.1 | 51.3 | 51.8  |
| 700             | 34.3                   | 45.8 | 47.6 | 49.0 | 49.9 | 50.4 | 51.1 | 51.2 | 51.2 | 51.4 | 51.4 | 51.4 | 51.5 | 51.5 | 51.5 | 52.4  |
| 600             | 36.2                   | 46.3 | 50.2 | 51.7 | 52.6 | 53.1 | 53.9 | 54.1 | 54.1 | 54.2 | 54.2 | 54.2 | 54.3 | 54.3 | 54.6 | 55.2  |
| 500             | 37.1                   | 50.0 | 52.0 | 53.5 | 54.6 | 55.2 | 56.0 | 56.2 | 56.2 | 56.5 | 56.5 | 56.5 | 56.5 | 56.6 | 56.8 | 57.4  |
| 400             | 38.3                   | 52.4 | 54.7 | 56.2 | 57.3 | 57.8 | 58.7 | 58.9 | 58.9 | 59.1 | 59.1 | 59.1 | 59.2 | 59.2 | 59.6 | 60.1  |
| 300             | 38.3                   | 53.5 | 55.9 | 57.4 | 59.5 | 59.1 | 59.9 | 60.1 | 60.1 | 60.3 | 60.3 | 60.3 | 60.4 | 60.4 | 60.8 | 61.3  |
| 200             | 39.7                   | 55.7 | 58.1 | 59.6 | 60.9 | 61.4 | 62.4 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 62.9 | 63.0 | 63.8  |
| 100             | 40.3                   | 57.2 | 59.8 | 61.4 | 62.7 | 63.2 | 64.2 | 64.4 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.7 | 65.1 | 65.7  |
| 50              | 42.1                   | 59.1 | 61.9 | 63.5 | 64.8 | 65.4 | 66.5 | 66.7 | 66.7 | 66.9 | 66.9 | 66.9 | 66.9 | 67.0 | 67.3 | 68.0  |
| 25              | 43.2                   | 60.5 | 63.3 | 65.1 | 66.3 | 66.9 | 68.1 | 68.3 | 68.3 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 69.0 | 69.7  |
| 15              | 43.9                   | 61.4 | 64.2 | 65.9 | 67.3 | 67.8 | 69.0 | 69.4 | 69.4 | 69.7 | 69.7 | 69.7 | 69.8 | 69.8 | 70.1 | 70.8  |
| 10              | 45.3                   | 63.4 | 66.5 | 68.5 | 70.0 | 70.5 | 71.8 | 72.2 | 72.2 | 72.5 | 72.5 | 72.5 | 72.5 | 72.6 | 72.9 | 73.5  |
| 5               | 45.4                   | 64.2 | 67.3 | 69.5 | 71.2 | 71.7 | 73.3 | 73.7 | 73.7 | 74.0 | 74.1 | 74.1 | 74.2 | 74.2 | 74.5 | 75.2  |
| 0               | 46.2                   | 65.9 | 69.1 | 71.5 | 73.7 | 74.2 | 75.8 | 76.1 | 76.1 | 76.5 | 76.6 | 76.6 | 76.7 | 76.7 | 77.0 | 77.7  |
| 1000            | 47.4                   | 66.9 | 70.4 | 72.8 | 75.5 | 76.1 | 77.7 | 78.2 | 78.2 | 78.6 | 78.7 | 78.7 | 78.9 | 78.9 | 79.2 | 80.0  |
| 900             | 47.6                   | 68.0 | 72.2 | 74.7 | 77.5 | 78.2 | 80.0 | 80.6 | 80.6 | 81.1 | 81.2 | 81.2 | 81.4 | 81.4 | 81.7 | 82.5  |
| 800             | 47.6                   | 68.2 | 72.4 | 74.9 | 77.7 | 78.4 | 80.2 | 80.9 | 80.9 | 81.3 | 81.4 | 81.4 | 81.6 | 81.6 | 81.9 | 82.7  |
| 700             | 47.7                   | 68.6 | 72.9 | 75.5 | 78.5 | 79.1 | 81.1 | 81.7 | 81.7 | 82.2 | 82.3 | 82.3 | 82.6 | 82.6 | 82.9 | 83.7  |
| 600             | 47.7                   | 69.1 | 73.5 | 76.1 | 79.1 | 79.9 | 82.2 | 82.9 | 82.9 | 83.3 | 83.4 | 83.4 | 83.9 | 83.9 | 84.1 | 84.8  |
| 500             | 47.8                   | 69.5 | 74.3 | 77.0 | 80.3 | 81.2 | 83.5 | 84.5 | 84.5 | 85.2 | 85.3 | 85.3 | 85.9 | 85.9 | 86.2 | 87.1  |
| 400             | 47.8                   | 69.6 | 74.4 | 77.1 | 80.4 | 81.5 | 84.3 | 85.4 | 85.4 | 86.2 | 86.3 | 86.3 | 87.0 | 87.0 | 87.3 | 88.1  |
| 300             | 47.8                   | 69.8 | 74.7 | 77.7 | 81.1 | 82.5 | 85.5 | 86.7 | 86.7 | 88.1 | 88.1 | 88.1 | 88.7 | 88.7 | 89.2 | 90.1  |
| 200             | 47.8                   | 69.9 | 75.1 | 78.3 | 81.6 | 83.1 | 86.5 | 87.7 | 87.7 | 89.6 | 89.9 | 89.9 | 90.5 | 90.5 | 91.1 | 91.9  |
| 100             | 47.8                   | 69.9 | 75.2 | 78.6 | 82.2 | 83.8 | 87.2 | 88.5 | 88.5 | 90.4 | 90.8 | 90.8 | 91.4 | 91.4 | 91.9 | 92.8  |
| 50              | 47.8                   | 70.3 | 75.7 | 79.4 | 83.3 | 84.9 | 88.6 | 90.1 | 90.1 | 92.5 | 92.9 | 92.9 | 93.8 | 93.8 | 94.3 | 95.2  |
| 25              | 47.8                   | 70.3 | 75.7 | 79.4 | 83.7 | 85.6 | 89.2 | 90.8 | 90.8 | 93.2 | 93.6 | 93.6 | 94.6 | 94.6 | 95.2 | 96.1  |
| 15              | 47.8                   | 70.4 | 76.0 | 79.8 | 84.2 | 86.1 | 89.9 | 91.4 | 91.4 | 94.2 | 94.9 | 94.9 | 95.9 | 95.9 | 96.7 | 97.7  |
| 10              | 47.8                   | 70.4 | 76.0 | 79.8 | 84.2 | 86.1 | 89.9 | 91.4 | 91.4 | 94.3 | 95.1 | 95.1 | 96.0 | 96.0 | 97.2 | 98.9  |
| 5               | 47.8                   | 70.4 | 76.0 | 79.8 | 84.2 | 86.1 | 89.9 | 91.4 | 91.4 | 94.3 | 95.1 | 95.1 | 96.1 | 96.2 | 97.5 | 99.6  |
| 0               | 47.8                   | 70.4 | 76.0 | 79.8 | 84.2 | 86.1 | 89.9 | 91.4 | 91.4 | 94.3 | 95.1 | 95.1 | 96.1 | 96.2 | 97.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AID WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

46-57

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1955-1956

|      |  | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|------|--|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|      |  | 20                         | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   | 95    |
| FEET |  |                            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
| 100  |  | 34.1                       | 41.4 | 42.3 | 42.6 | 42.7 | 42.7 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8  |
| 200  |  | 35.3                       | 46.9 | 47.8 | 48.4 | 48.6 | 48.6 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7  |
| 300  |  | 36.7                       | 47.5 | 49.5 | 49.0 | 49.2 | 49.2 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4  |
| 400  |  | 38.9                       | 48.0 | 49.9 | 49.5 | 49.7 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8  |
| 500  |  | 40.9                       | 50.3 | 51.3 | 51.6 | 52.0 | 52.0 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4  |
| 600  |  | 42.7                       | 52.7 | 53.8 | 54.4 | 54.8 | 54.8 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2  |
| 700  |  | 43.2                       | 54.1 | 55.2 | 56.0 | 56.5 | 56.5 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8  |
| 800  |  | 43.4                       | 54.7 | 55.9 | 56.8 | 57.2 | 57.2 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5  |
| 900  |  | 44.5                       | 56.2 | 57.5 | 58.8 | 59.4 | 59.5 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8  |
| 1000 |  | 45.2                       | 57.4 | 58.7 | 60.0 | 60.5 | 60.6 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0  |
| 1100 |  | 45.3                       | 58.3 | 59.6 | 61.1 | 61.6 | 61.7 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0  |
| 1200 |  | 47.4                       | 60.8 | 62.0 | 63.7 | 64.3 | 64.4 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8  |
| 1300 |  | 48.2                       | 61.7 | 63.0 | 64.6 | 65.3 | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8  |
| 1400 |  | 52.0                       | 66.6 | 68.0 | 69.7 | 70.4 | 70.5 | 71.2 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4  |
| 1500 |  | 54.3                       | 69.2 | 70.6 | 72.5 | 73.2 | 73.3 | 74.0 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2  |
| 1600 |  | 55.6                       | 70.9 | 72.5 | 74.5 | 75.3 | 75.4 | 76.0 | 76.1 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2  |
| 1700 |  | 57.0                       | 72.6 | 74.8 | 77.0 | 77.7 | 77.8 | 78.5 | 78.6 | 78.6 | 78.9 | 78.9 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1  |
| 1800 |  | 57.3                       | 73.5 | 76.2 | 78.7 | 79.7 | 79.9 | 80.5 | 80.8 | 80.8 | 81.1 | 81.1 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3  |
| 1900 |  | 57.3                       | 73.5 | 76.5 | 78.9 | 79.9 | 80.1 | 80.8 | 81.0 | 81.0 | 81.3 | 81.3 | 81.3 | 81.5 | 81.5 | 81.5 | 81.5  |
| 2000 |  | 57.4                       | 74.1 | 77.5 | 80.3 | 81.3 | 81.5 | 82.4 | 82.6 | 82.6 | 82.9 | 82.9 | 82.9 | 83.1 | 83.1 | 83.1 | 83.1  |
| 2100 |  | 57.5                       | 75.1 | 78.7 | 82.0 | 83.1 | 83.3 | 84.3 | 84.6 | 84.6 | 84.9 | 84.9 | 84.9 | 85.3 | 85.3 | 85.3 | 85.3  |
| 2200 |  | 57.8                       | 75.9 | 79.9 | 83.8 | 85.2 | 85.4 | 86.7 | 87.2 | 87.3 | 87.8 | 87.8 | 87.8 | 88.3 | 88.3 | 88.3 | 88.3  |
| 2300 |  | 57.8                       | 76.2 | 80.4 | 84.4 | 85.8 | 86.0 | 87.6 | 88.2 | 88.3 | 88.8 | 88.8 | 88.8 | 89.2 | 89.2 | 89.2 | 89.2  |
| 2400 |  | 58.0                       | 76.6 | 80.8 | 85.4 | 87.2 | 87.4 | 89.2 | 90.1 | 90.2 | 90.9 | 90.9 | 90.9 | 91.3 | 91.3 | 91.3 | 91.3  |
| 2500 |  | 58.0                       | 77.1 | 81.3 | 86.1 | 88.2 | 88.5 | 90.9 | 91.7 | 91.8 | 92.7 | 92.8 | 92.8 | 93.2 | 93.2 | 93.2 | 93.2  |
| 2600 |  | 58.0                       | 77.1 | 81.4 | 86.6 | 88.8 | 89.4 | 92.0 | 93.1 | 93.4 | 94.5 | 94.8 | 94.8 | 95.3 | 95.3 | 95.3 | 95.3  |
| 2700 |  | 58.1                       | 77.2 | 81.5 | 86.9 | 89.1 | 89.8 | 92.8 | 94.4 | 94.7 | 96.2 | 96.7 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2  |
| 2800 |  | 58.1                       | 77.2 | 81.5 | 86.9 | 89.1 | 89.9 | 93.0 | 94.9 | 95.3 | 97.0 | 97.5 | 97.7 | 98.2 | 98.3 | 98.3 | 98.3  |
| 2900 |  | 58.1                       | 77.3 | 81.6 | 87.0 | 89.4 | 90.1 | 93.5 | 95.5 | 95.8 | 97.6 | 98.3 | 98.5 | 98.9 | 99.0 | 99.0 | 99.0  |
| 3000 |  | 58.1                       | 77.3 | 81.6 | 87.0 | 89.4 | 90.1 | 93.5 | 95.5 | 95.8 | 97.7 | 98.6 | 98.9 | 99.6 | 99.7 | 99.9 | 100.0 |
| 3100 |  | 58.1                       | 77.3 | 81.6 | 87.0 | 89.4 | 90.1 | 93.5 | 95.5 | 95.8 | 97.7 | 98.6 | 98.9 | 99.6 | 99.7 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724-57 PHILLIPS/ABERDEEN MD

48-57

MAZ

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |       |       |       |        |        |        |         |         |         |
|-----------------|----------------------------|------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|---------|---------|---------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 1  | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 1/128 | ≥ 1/256 | ≥ 1/512 |
| NOT REPORTED    | 36.9                       | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1  | 39.1  | 39.1  | 39.1   | 39.1   | 39.1   | 39.1    | 39.1    | 39.1    |
| ≥ 20000         | 44.5                       | 47.5 | 47.6 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7  | 47.7  | 47.7  | 47.7   | 47.7   | 47.7   | 47.7    | 47.7    | 47.7    |
| ≥ 18000         | 45.3                       | 48.4 | 48.5 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6  | 48.6  | 48.6  | 48.6   | 48.6   | 48.6   | 48.6    | 48.6    | 48.6    |
| ≥ 16000         | 45.3                       | 48.5 | 48.7 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9  | 48.9  | 48.9  | 48.9   | 48.9   | 48.9   | 48.9    | 48.9    | 48.9    |
| ≥ 14000         | 46.6                       | 49.9 | 50.1 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3  | 50.3  | 50.3  | 50.3   | 50.3   | 50.3   | 50.3    | 50.3    | 50.3    |
| ≥ 12000         | 48.1                       | 51.6 | 51.8 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2  | 52.2  | 52.2  | 52.2   | 52.2   | 52.2   | 52.2    | 52.2    | 52.2    |
| ≥ 10000         | 49.8                       | 53.8 | 54.7 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4  | 54.4  | 54.4  | 54.4   | 54.4   | 54.4   | 54.4    | 54.4    | 54.4    |
| ≥ 9000          | 50.2                       | 54.5 | 54.7 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2  | 55.2  | 55.2  | 55.2   | 55.2   | 55.2   | 55.2    | 55.2    | 55.2    |
| ≥ 8000          | 51.3                       | 56.6 | 56.9 | 57.5 | 57.6 | 57.6 | 57.6 | 57.6  | 57.6  | 57.6  | 57.6   | 57.6   | 57.6   | 57.6    | 57.6    | 57.6    |
| ≥ 7000          | 52.2                       | 57.6 | 58.0 | 58.9 | 59.0 | 59.0 | 59.1 | 59.1  | 59.1  | 59.1  | 59.1   | 59.1   | 59.1   | 59.1    | 59.1    | 59.1    |
| ≥ 6000          | 53.5                       | 59.2 | 59.7 | 60.6 | 60.8 | 60.8 | 60.9 | 60.9  | 60.9  | 60.9  | 60.9   | 60.9   | 60.9   | 60.9    | 60.9    | 60.9    |
| ≥ 5000          | 54.9                       | 61.4 | 62.0 | 63.0 | 63.2 | 63.2 | 63.3 | 63.3  | 63.3  | 63.3  | 63.3   | 63.3   | 63.3   | 63.3    | 63.3    | 63.3    |
| ≥ 4500          | 56.2                       | 62.9 | 63.5 | 64.5 | 64.7 | 64.7 | 64.8 | 64.8  | 64.8  | 64.8  | 64.8   | 64.8   | 64.8   | 64.8    | 64.8    | 64.8    |
| ≥ 4000          | 62.4                       | 69.2 | 70.0 | 71.1 | 71.4 | 71.4 | 71.5 | 71.5  | 71.5  | 71.5  | 71.5   | 71.5   | 71.5   | 71.5    | 71.5    | 71.5    |
| ≥ 3500          | 64.9                       | 72.2 | 72.9 | 74.0 | 74.3 | 74.3 | 74.4 | 74.4  | 74.4  | 74.4  | 74.4   | 74.4   | 74.4   | 74.4    | 74.4    | 74.4    |
| ≥ 3000          | 66.5                       | 74.4 | 75.7 | 77.1 | 77.7 | 77.7 | 77.8 | 77.8  | 77.8  | 77.8  | 77.8   | 77.8   | 77.8   | 77.8    | 77.8    | 77.8    |
| ≥ 2500          | 68.4                       | 77.4 | 78.6 | 80.1 | 80.6 | 80.8 | 81.0 | 81.0  | 81.0  | 81.0  | 81.0   | 81.0   | 81.0   | 81.0    | 81.0    | 81.0    |
| ≥ 2000          | 69.5                       | 78.9 | 80.2 | 81.7 | 82.4 | 82.4 | 82.7 | 82.7  | 82.7  | 82.7  | 82.7   | 82.7   | 82.7   | 82.7    | 82.7    | 82.7    |
| ≥ 1800          | 69.7                       | 79.2 | 80.6 | 82.4 | 83.0 | 83.0 | 83.3 | 83.3  | 83.3  | 83.3  | 83.3   | 83.3   | 83.3   | 83.3    | 83.3    | 83.3    |
| ≥ 1600          | 70.0                       | 80.2 | 81.7 | 83.7 | 84.4 | 84.5 | 84.8 | 84.8  | 84.8  | 84.8  | 84.8   | 84.8   | 84.8   | 84.8    | 84.8    | 84.8    |
| ≥ 1400          | 70.1                       | 81.0 | 82.9 | 85.3 | 86.6 | 86.8 | 87.2 | 87.2  | 87.2  | 87.2  | 87.2   | 87.2   | 87.2   | 87.2    | 87.2    | 87.2    |
| ≥ 1200          | 70.1                       | 82.2 | 84.3 | 87.0 | 88.5 | 88.7 | 89.2 | 89.5  | 89.5  | 89.7  | 89.7   | 89.7   | 89.7   | 89.7    | 89.7    | 89.7    |
| ≥ 1000          | 70.2                       | 82.6 | 84.7 | 87.4 | 88.9 | 89.1 | 89.9 | 90.1  | 90.1  | 90.3  | 90.3   | 90.3   | 90.3   | 90.3    | 90.3    | 90.3    |
| ≥ 900           | 70.4                       | 82.9 | 85.3 | 88.3 | 89.8 | 90.2 | 91.0 | 91.4  | 91.4  | 91.6  | 91.6   | 91.6   | 91.6   | 91.6    | 91.6    | 91.6    |
| ≥ 800           | 70.6                       | 83.2 | 85.6 | 89.1 | 90.6 | 91.3 | 92.5 | 93.1  | 93.1  | 93.5  | 93.5   | 93.5   | 93.5   | 93.5    | 93.5    | 93.5    |
| ≥ 700           | 70.6                       | 83.3 | 85.7 | 89.5 | 91.2 | 91.8 | 93.7 | 94.4  | 94.5  | 95.1  | 95.1   | 95.1   | 95.1   | 95.1    | 95.1    | 95.1    |
| ≥ 600           | 70.8                       | 83.4 | 85.9 | 89.8 | 91.5 | 92.2 | 94.3 | 95.2  | 95.3  | 96.0  | 96.3   | 96.3   | 96.3   | 96.3    | 96.3    | 96.3    |
| ≥ 500           | 70.8                       | 83.5 | 86.7 | 89.9 | 91.6 | 92.3 | 94.4 | 95.3  | 95.4  | 96.3  | 97.0   | 97.0   | 97.0   | 97.0    | 97.0    | 97.0    |
| ≥ 450           | 70.8                       | 83.5 | 86.0 | 89.9 | 91.7 | 92.7 | 95.2 | 96.0  | 96.1  | 97.1  | 98.0   | 98.1   | 98.1   | 98.1    | 98.1    | 98.1    |
| ≥ 400           | 70.8                       | 83.5 | 86.0 | 89.9 | 91.7 | 92.7 | 95.2 | 96.0  | 96.1  | 97.1  | 98.1   | 98.3   | 98.3   | 98.3    | 98.3    | 98.3    |
| ≥ 350           | 70.8                       | 83.5 | 86.0 | 89.9 | 91.7 | 92.7 | 95.2 | 96.0  | 96.1  | 97.2  | 98.2   | 98.4   | 98.4   | 98.4    | 98.4    | 98.4    |
| ≥ 300           | 70.8                       | 83.5 | 86.0 | 89.9 | 91.7 | 92.7 | 95.2 | 96.0  | 96.1  | 97.2  | 98.2   | 98.4   | 98.4   | 98.4    | 98.4    | 98.4    |
| ≥ 250           | 70.8                       | 83.5 | 86.0 | 89.9 | 91.7 | 92.7 | 95.2 | 96.0  | 96.1  | 97.2  | 98.2   | 98.4   | 98.4   | 98.4    | 98.4    | 98.4    |
| ≥ 200           | 70.8                       | 83.5 | 86.0 | 89.9 | 91.7 | 92.7 | 95.2 | 96.0  | 96.1  | 97.2  | 98.2   | 98.4   | 98.4   | 98.4    | 98.4    | 98.4    |
| ≥ 150           | 70.8                       | 83.5 | 86.0 | 89.9 | 91.7 | 92.7 | 95.2 | 96.0  | 96.1  | 97.2  | 98.2   | 98.4   | 98.4   | 98.4    | 98.4    | 98.4    |
| ≥ 100           | 70.8                       | 83.5 | 86.0 | 89.9 | 91.7 | 92.7 | 95.2 | 96.0  | 96.1  | 97.2  | 98.2   | 98.4   | 98.4   | 98.4    | 98.4    | 98.4    |
| ≥ 50            | 70.8                       | 83.5 | 86.0 | 89.9 | 91.7 | 92.7 | 95.2 | 96.0  | 96.1  | 97.2  | 98.2   | 98.4   | 98.4   | 98.4    | 98.4    | 98.4    |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724157 PHILLIPS/ABERDEEN MD

46-57

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1525-1722

|                |       | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------|-------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CEILING - FEET |       | 20                         | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   | 95   |
| NO. OF REPORTS | 20000 | 39.6                       | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
|                | 20000 | 46.7                       | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| 20000          | 20000 | 47.2                       | 50.2 | 50.2 | 50.3 | 50.3 | 50.3 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
|                | 20000 | 47.2                       | 50.3 | 50.4 | 50.5 | 50.5 | 50.5 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| 20000          | 20000 | 47.7                       | 50.9 | 51.0 | 51.1 | 51.1 | 51.1 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
|                | 20000 | 51.0                       | 54.2 | 54.3 | 54.4 | 54.4 | 54.4 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| 20000          | 20000 | 52.5                       | 57.2 | 57.4 | 57.5 | 57.5 | 57.5 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
|                | 20000 | 53.3                       | 58.3 | 58.5 | 58.6 | 58.6 | 58.6 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| 20000          | 20000 | 54.4                       | 59.8 | 60.0 | 60.1 | 60.1 | 60.1 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
|                | 20000 | 56.0                       | 61.8 | 62.0 | 62.4 | 62.4 | 62.4 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 20000          | 20000 | 57.2                       | 63.8 | 64.0 | 64.3 | 64.3 | 64.3 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
|                | 20000 | 59.5                       | 67.0 | 67.2 | 67.7 | 68.0 | 68.0 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| 20000          | 20000 | 60.5                       | 68.3 | 68.5 | 69.0 | 69.2 | 69.4 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
|                | 20000 | 65.2                       | 73.8 | 74.1 | 74.6 | 74.8 | 74.9 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| 20000          | 20000 | 66.2                       | 75.0 | 75.5 | 76.0 | 76.2 | 76.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
|                | 20000 | 69.8                       | 78.7 | 79.5 | 80.3 | 80.8 | 81.0 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 20000          | 20000 | 70.2                       | 81.2 | 82.3 | 83.7 | 84.1 | 84.4 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
|                | 20000 | 71.1                       | 82.2 | 83.4 | 84.6 | 85.4 | 85.7 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 20000          | 20000 | 71.3                       | 82.6 | 83.9 | 85.3 | 85.8 | 86.1 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
|                | 20000 | 71.4                       | 83.0 | 84.4 | 86.0 | 86.6 | 86.9 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| 20000          | 20000 | 71.6                       | 84.0 | 85.6 | 87.6 | 88.6 | 88.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
|                | 20000 | 71.8                       | 84.3 | 86.1 | 88.7 | 89.8 | 90.1 | 91.5 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| 20000          | 20000 | 72.0                       | 84.7 | 86.8 | 89.4 | 90.6 | 91.0 | 92.6 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
|                | 20000 | 72.0                       | 84.9 | 87.0 | 89.7 | 91.1 | 91.4 | 93.1 | 93.7 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 20000          | 20000 | 72.0                       | 85.1 | 87.2 | 89.9 | 91.4 | 91.8 | 94.3 | 95.3 | 95.6 | 95.7 | 95.8 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 |
|                | 20000 | 72.0                       | 85.1 | 87.2 | 90.0 | 91.5 | 92.0 | 94.5 | 95.5 | 95.8 | 95.9 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 |
| 20000          | 20000 | 72.0                       | 85.1 | 87.2 | 90.1 | 91.6 | 92.5 | 94.9 | 95.9 | 96.2 | 96.7 | 97.3 | 97.4 | 97.7 | 97.7 | 98.0 | 98.0 |
|                | 20000 | 72.0                       | 85.1 | 87.2 | 90.1 | 91.6 | 92.5 | 94.9 | 96.1 | 96.5 | 96.9 | 97.5 | 97.7 | 98.1 | 98.1 | 98.3 | 98.3 |
| 20000          | 20000 | 72.0                       | 85.1 | 87.2 | 90.1 | 91.6 | 92.6 | 95.1 | 96.2 | 96.6 | 97.1 | 98.0 | 98.4 | 98.8 | 98.8 | 99.1 | 99.1 |
|                | 20000 | 72.0                       | 85.1 | 87.2 | 90.1 | 91.6 | 92.6 | 95.1 | 96.2 | 96.6 | 97.1 | 98.1 | 98.6 | 99.1 | 99.1 | 99.5 | 99.7 |
| 20000          | 20000 | 72.0                       | 85.1 | 87.2 | 90.1 | 91.6 | 92.6 | 95.1 | 96.2 | 96.6 | 97.1 | 98.1 | 98.6 | 99.1 | 99.1 | 99.5 | 99.7 |
|                | 20000 | 72.0                       | 85.1 | 87.2 | 90.1 | 91.6 | 92.6 | 95.1 | 96.2 | 96.6 | 97.1 | 98.1 | 98.6 | 99.1 | 99.1 | 99.5 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 270

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

704-57 PHILLIPS/ABERDEEN MD

45-57

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2400

|      |      | VISIBILITY STATISTICS |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|      |      | 20                    | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   | 95   |
| 1000 | 44.5 | 50.2                  | 50.3 | 50.4 | 50.5 | 50.6 | 51.0 | 51.1 | 51.2 | 51.3 | 51.4 | 51.5 | 51.6 | 51.7 | 51.8 | 51.9 | 52.0 |
| 900  | 44.1 | 55.7                  | 55.8 | 55.9 | 56.0 | 56.1 | 56.5 | 56.6 | 56.7 | 56.8 | 56.9 | 57.0 | 57.1 | 57.2 | 57.3 | 57.4 | 57.5 |
| 800  | 47.6 | 56.2                  | 56.3 | 56.4 | 56.5 | 56.6 | 56.7 | 57.0 | 57.1 | 57.2 | 57.3 | 57.4 | 57.5 | 57.6 | 57.7 | 57.8 | 57.9 |
| 700  | 47.4 | 56.3                  | 56.5 | 56.6 | 56.7 | 56.8 | 57.1 | 57.2 | 57.3 | 57.4 | 57.5 | 57.6 | 57.7 | 57.8 | 57.9 | 58.0 | 58.1 |
| 600  | 50.5 | 57.6                  | 57.7 | 57.8 | 57.9 | 58.0 | 58.1 | 58.4 | 58.5 | 58.6 | 58.7 | 58.8 | 58.9 | 59.0 | 59.1 | 59.2 | 59.3 |
| 500  | 52.5 | 61.5                  | 61.6 | 61.7 | 61.8 | 61.9 | 62.0 | 62.1 | 62.2 | 62.3 | 62.4 | 62.5 | 62.6 | 62.7 | 62.8 | 62.9 | 63.0 |
| 400  | 54.3 | 63.5                  | 63.7 | 63.8 | 63.9 | 64.0 | 64.1 | 64.2 | 64.3 | 64.4 | 64.5 | 64.6 | 64.7 | 64.8 | 64.9 | 65.0 | 65.1 |
| 300  | 54.6 | 64.0                  | 64.1 | 64.2 | 64.3 | 64.4 | 64.5 | 64.6 | 64.7 | 64.8 | 64.9 | 65.0 | 65.1 | 65.2 | 65.3 | 65.4 | 65.5 |
| 200  | 55.6 | 65.9                  | 66.0 | 66.1 | 66.2 | 66.3 | 66.4 | 66.5 | 66.6 | 66.7 | 66.8 | 66.9 | 67.0 | 67.1 | 67.2 | 67.3 | 67.4 |
| 100  | 56.3 | 66.2                  | 67.1 | 67.4 | 67.6 | 68.1 | 68.5 | 68.6 | 68.7 | 68.8 | 68.9 | 69.0 | 69.1 | 69.2 | 69.3 | 69.4 | 69.5 |
| 50   | 59.0 | 70.6                  | 71.0 | 71.5 | 71.7 | 72.0 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| 0    | 60.0 | 72.3                  | 72.8 | 73.4 | 73.7 | 74.0 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| 1000 | 60.4 | 72.9                  | 73.4 | 74.1 | 74.3 | 74.6 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 900  | 62.3 | 77.3                  | 77.8 | 78.5 | 78.7 | 79.1 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| 800  | 63.7 | 79.0                  | 79.6 | 80.2 | 80.4 | 80.9 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 700  | 64.6 | 80.6                  | 81.1 | 81.9 | 82.5 | 82.9 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| 600  | 65.5 | 82.2                  | 82.9 | 83.8 | 84.4 | 84.8 | 85.7 | 85.8 | 85.8 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 500  | 65.6 | 82.7                  | 83.8 | 84.6 | 85.4 | 85.8 | 86.9 | 87.1 | 87.1 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 400  | 65.6 | 82.8                  | 83.9 | 84.7 | 85.5 | 85.9 | 87.0 | 87.2 | 87.2 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 300  | 65.6 | 82.9                  | 84.0 | 84.9 | 85.8 | 86.2 | 87.3 | 87.5 | 87.5 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 200  | 65.6 | 83.2                  | 84.5 | 85.6 | 86.6 | 87.0 | 88.2 | 88.4 | 88.4 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| 100  | 65.6 | 83.2                  | 84.7 | 86.1 | 87.5 | 88.0 | 89.6 | 89.8 | 89.9 | 90.3 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 50   | 65.7 | 83.7                  | 85.3 | 86.7 | 88.2 | 88.9 | 90.5 | 90.8 | 90.9 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 0    | 65.7 | 83.7                  | 85.3 | 86.7 | 88.2 | 88.9 | 90.5 | 90.8 | 90.9 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 1000 | 65.7 | 84.0                  | 85.6 | 87.1 | 88.9 | 89.7 | 91.4 | 91.7 | 92.3 | 93.2 | 93.5 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| 900  | 65.7 | 84.1                  | 85.7 | 87.2 | 89.0 | 89.8 | 91.6 | 92.0 | 92.8 | 93.8 | 94.1 | 94.2 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 800  | 65.7 | 84.3                  | 86.0 | 87.6 | 90.0 | 90.9 | 93.0 | 93.5 | 94.4 | 95.8 | 96.2 | 96.3 | 96.9 | 96.9 | 96.9 | 97.2 | 97.2 |
| 700  | 65.7 | 84.4                  | 86.1 | 87.7 | 90.2 | 91.1 | 93.2 | 93.8 | 94.6 | 96.2 | 96.7 | 96.8 | 97.3 | 97.3 | 97.3 | 97.6 | 97.6 |
| 600  | 65.7 | 84.4                  | 86.1 | 87.8 | 90.3 | 91.2 | 93.4 | 94.1 | 94.9 | 96.7 | 97.4 | 97.5 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 |
| 500  | 65.7 | 84.4                  | 86.1 | 87.8 | 90.3 | 91.2 | 93.4 | 94.1 | 94.9 | 96.7 | 97.5 | 97.6 | 98.6 | 98.6 | 98.9 | 99.0 | 99.0 |
| 400  | 65.7 | 84.4                  | 86.1 | 87.8 | 90.3 | 91.2 | 93.4 | 94.1 | 94.9 | 96.7 | 97.5 | 97.6 | 98.6 | 98.6 | 98.9 | 99.0 | 99.0 |
| 300  | 65.7 | 84.4                  | 86.1 | 87.8 | 90.4 | 91.3 | 93.5 | 94.2 | 95.1 | 96.8 | 97.6 | 97.7 | 98.7 | 98.8 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

40-57

MA =

4100-2420

|    |      | F5B100 STATEMENT   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
|----|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
|    |      | 200 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| 1  | 43.4 | 51.3   | 51.9 | 52.3 | 52.8 | 52.9 | 53.1 | 53.1 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.3 |  |
| 2  | 46.3 | 55.2   | 55.8 | 56.1 | 56.7 | 56.8 | 57.2 | 57.2 | 57.2 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.2 |  |
| 3  | 46.5 | 55.5   | 56.1 | 56.5 | 57.0 | 57.1 | 57.7 | 57.7 | 57.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.5 |  |
| 4  | 46.5 | 55.6   | 56.2 | 56.6 | 57.1 | 57.2 | 57.4 | 57.4 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.6 |  |
| 5  | 47.5 | 56.7   | 57.3 | 57.6 | 58.2 | 58.3 | 58.5 | 58.5 | 58.5 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.8 |  |
| 6  | 49.2 | 59.4   | 60.0 | 60.3 | 60.9 | 61.0 | 61.2 | 61.2 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.5 |  |
| 7  | 51.7 | 63.3   | 64.7 | 64.3 | 64.6 | 64.9 | 65.2 | 65.2 | 65.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.5 |  |
| 8  | 52.3 | 64.2   | 64.8 | 65.2 | 65.7 | 65.8 | 66.7 | 66.0 | 66.0 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.3 |  |
| 9  | 53.3 | 66.0   | 66.8 | 67.1 | 67.6 | 67.7 | 68.7 | 68.0 | 68.0 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 |  |
| 10 | 54.4 | 67.7   | 68.5 | 69.0 | 69.6 | 69.7 | 69.9 | 69.9 | 69.9 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.2 |  |
| 11 | 56.5 | 71.0   | 71.7 | 72.3 | 72.8 | 72.9 | 73.1 | 73.1 | 73.1 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.4 |  |
| 12 | 57.0 | 72.5   | 73.4 | 74.0 | 74.5 | 74.6 | 74.8 | 74.8 | 74.8 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.2 |  |
| 13 | 57.4 | 73.3   | 74.5 | 75.1 | 75.6 | 75.7 | 75.7 | 75.9 | 75.9 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.2 |  |
| 14 | 59.4 | 76.2   | 77.5 | 78.2 | 78.7 | 78.6 | 79.0 | 79.0 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.4 |  |
| 15 | 60.0 | 78.9   | 79.4 | 80.0 | 80.6 | 80.8 | 81.0 | 81.0 | 81.0 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 |  |
| 16 | 60.8 | 79.9   | 81.5 | 82.3 | 82.9 | 83.0 | 83.5 | 83.5 | 83.5 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.9 |  |
| 17 | 60.9 | 80.6   | 82.7 | 84.0 | 84.6 | 84.7 | 85.4 | 85.5 | 85.5 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.8 |  |
| 18 | 61.9 | 81.5   | 83.3 | 84.4 | 85.2 | 85.3 | 86.0 | 86.3 | 86.3 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.9 |  |
| 19 | 60.9 | 81.1   | 83.1 | 84.5 | 85.3 | 85.4 | 86.1 | 86.5 | 86   |      |      |      |      |      |      |      |      |      |      |      |  |

TOTAL NUMBER OF OBSERVATIONS 470

USAF EAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

45-57

## 22

TOTAL NUMBER OF OBSERVATIONS 7440

## CEILING VERSUS VISIBILITY

44-57

15

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

744-97 PHILLIPS/AWERSSES, MC

4-57

AF

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

000-0000

| CEILING | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   | 95   | 100  |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0-10    | 30.4 | 41.1 | 43.8 | 44.6 | 45.6 | 45.7 | 46.1 | 46.3 | 46.4 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 |
| 10-20   | 33.4 | 46.3 | 49.3 | 50.3 | 51.3 | 51.4 | 51.3 | 52.1 | 52.2 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| 20-30   | 3.4  | 46.6 | 49.6 | 50.6 | 51.6 | 51.7 | 52.1 | 52.3 | 52.4 | 52.5 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 30-40   | 33.7 | 46.9 | 49.9 | 50.9 | 51.9 | 52.0 | 52.4 | 52.7 | 52.8 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 |
| 40-50   | 33.7 | 47.3 | 50.6 | 51.6 | 52.7 | 52.8 | 53.2 | 53.4 | 53.6 | 53.7 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| 50-60   | 34.2 | 48.6 | 51.3 | 52.3 | 54.0 | 54.2 | 54.7 | 54.9 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 60-70   | 36.2 | 51.6 | 55.1 | 56.3 | 57.6 | 57.8 | 58.3 | 58.6 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| 70-80   | 37.1 | 53.2 | 56.3 | 58.4 | 59.3 | 59.6 | 60.1 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| 80-90   | 39.3 | 56.2 | 60.7 | 61.7 | 63.1 | 63.3 | 63.7 | 64.2 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| 90-100  | 40.2 | 57.2 | 63.4 | 64.0 | 65.3 | 65.7 | 67.2 | 67.4 | 67.7 | 67.8 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| 100-110 | 41.4 | 62.9 | 66.4 | 67.8 | 69.4 | 69.6 | 70.3 | 70.7 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 110-120 | 43.4 | 64.3 | 68.4 | 69.9 | 71.7 | 72.0 | 72.7 | 73.0 | 73.1 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| 120-130 | 43.5 | 65.1 | 68.8 | 70.3 | 72.2 | 72.6 | 73.2 | 73.6 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| 130-140 | 43.9 | 67.0 | 70.9 | 72.1 | 74.3 | 74.6 | 75.4 | 75.5 | 75.9 | 76.0 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| 140-150 | 44.4 | 68.6 | 72.6 | 74.3 | 76.7 | 77.1 | 77.9 | 78.2 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| 150-160 | 44.8 | 69.2 | 74.1 | 75.6 | 78.4 | 78.9 | 79.7 | 80.0 | 80.1 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| 160-170 | 45.1 | 70.7 | 74.9 | 77.2 | 80.1 | 80.6 | 81.4 | 81.8 | 81.9 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| 170-180 | 45.2 | 71.6 | 76.2 | 79.1 | 82.2 | 82.7 | 83.6 | 83.9 | 84.0 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 180-190 | 45.2 | 71.7 | 76.2 | 79.3 | 82.6 | 83.0 | 83.9 | 84.2 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 190-200 | 45.3 | 72.3 | 77.0 | 80.4 | 83.8 | 84.4 | 85.6 | 85.9 | 86.0 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 200-210 | 45.4 | 73.1 | 78.0 | 81.7 | 85.0 | 85.7 | 86.8 | 87.1 | 87.2 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 210-220 | 45.5 | 73.4 | 78.7 | 82.6 | 86.7 | 87.0 | 88.3 | 88.7 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| 220-230 | 45.6 | 73.4 | 78.8 | 82.8 | 86.4 | 87.4 | 88.9 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 230-240 | 45.6 | 73.4 | 78.8 | 83.0 | 86.9 | 88.0 | 89.8 | 90.1 | 90.2 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 240-250 | 45.6 | 73.6 | 79.2 | 83.2 | 87.1 | 88.4 | 90.3 | 90.7 | 90.8 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| 250-260 | 45.6 | 74.0 | 79.9 | 83.8 | 88.0 | 89.4 | 92.1 | 92.4 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 260-270 | 45.7 | 74.2 | 80.2 | 84.1 | 88.8 | 90.3 | 93.7 | 94.3 | 94.7 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 270-280 | 45.7 | 74.3 | 80.2 | 84.4 | 89.2 | 90.5 | 94.2 | 94.2 | 95.7 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| 280-290 | 45.7 | 74.3 | 80.2 | 84.4 | 89.2 | 90.9 | 94.6 | 95.7 | 96.1 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| 290-300 | 45.7 | 74.3 | 80.2 | 84.6 | 89.3 | 91.0 | 94.7 | 95.8 | 96.2 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 300-310 | 45.7 | 74.3 | 80.2 | 84.6 | 89.3 | 91.0 | 94.8 | 96.0 | 96.4 | 96.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 310-320 | 45.7 | 74.3 | 80.2 | 84.6 | 89.3 | 91.0 | 94.8 | 96.0 | 96.4 | 96.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |

TOTAL NUMBER OF OBSERVATIONS 200

## CEILING VERSUS VISIBILITY

4-57

1

TOTAL NUMBER OF OBSERVATIONS

USAF F-4C 70-145 OL A PERIODS FOR WHICH THE DATA ARE NOT AVAILABLE

## CEILING VERSUS VISIBILITY

4 - 57

44-1111

TOTAL NUMBER OF OBSERVATIONS 220



## CEILING VERSUS VISIBILITY

4 - - 5,7

15-2-1700

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

70057 PHILLIPS/ABERDEEN MO

40-57

AP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-2000

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | 2.5                        | 2.6  | 2.7  | 2.8  | 2.9  | 3.0  | 3.1  | 3.2  | 3.3  | 3.4  | 3.5  | 3.6  | 3.7  | 3.8  | 3.9  | 4.0  | 4.1  | 4.2  | 4.3  | 4.4  |
| 1000            | 30.2                       | 41.9 | 42.1 | 42.6 | 42.6 | 42.6 | 42.8 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.2 |
| 900             | 44.3                       | 50.7 | 51.0 | 51.4 | 51.6 | 51.6 | 51.9 | 52.1 | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.4 |
| 800             | 44.3                       | 51.6 | 51.9 | 52.3 | 52.4 | 52.4 | 52.8 | 53.0 | 53.0 | 53.1 | 53.1 | 53.1 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.3 |
| 700             | 44.4                       | 51.8 | 52.1 | 52.6 | 52.7 | 52.7 | 53.0 | 53.2 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.6 |
| 600             | 47.4                       | 53.4 | 53.8 | 54.2 | 54.3 | 54.3 | 54.7 | 54.9 | 54.9 | 55.0 | 55.0 | 55.0 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.2 |
| 500             | 47.8                       | 56.2 | 56.6 | 57.0 | 57.1 | 57.1 | 57.4 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.1 |
| 400             | 51.1                       | 61.1 | 61.4 | 62.3 | 62.4 | 62.4 | 62.8 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.3 |
| 300             | 52.1                       | 62.2 | 62.6 | 63.6 | 63.7 | 63.7 | 64.0 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.6 |
| 200             | 55.6                       | 66.9 | 67.2 | 68.2 | 68.6 | 68.6 | 68.9 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.4 |
| 100             | 57.7                       | 69.8 | 70.1 | 71.1 | 71.4 | 71.4 | 71.8 | 72.0 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.3 |
| 50              | 59.8                       | 72.3 | 72.8 | 73.8 | 74.1 | 74.1 | 74.4 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 75.0 |
| 0               | 62.4                       | 75.2 | 75.8 | 76.8 | 77.1 | 77.1 | 77.4 | 77.7 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.0 |
| 1000            | 63.6                       | 76.3 | 76.9 | 78.0 | 78.3 | 78.3 | 78.7 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.2 |
| 900             | 64.2                       | 79.0 | 79.8 | 81.1 | 81.8 | 81.8 | 82.1 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.7 |
| 800             | 65.4                       | 80.2 | 81.1 | 82.4 | 83.2 | 83.2 | 83.6 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 |
| 700             | 66.4                       | 82.2 | 83.7 | 85.4 | 86.2 | 86.2 | 86.7 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 |
| 600             | 66.2                       | 83.2 | 84.9 | 86.9 | 87.7 | 87.7 | 88.1 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.9 |
| 500             | 67.2                       | 84.0 | 85.8 | 87.9 | 88.9 | 88.9 | 89.3 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.1 |
| 400             | 67.3                       | 84.2 | 86.0 | 88.2 | 89.2 | 89.2 | 89.8 | 90.2 | 90.2 | 90.6 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.8 |
| 300             | 67.7                       | 85.1 | 86.9 | 89.2 | 90.0 | 90.0 | 90.6 | 91.2 | 91.2 | 91.7 | 91.7 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 |
| 200             | 67.7                       | 85.6 | 87.4 | 89.9 | 91.3 | 91.4 | 92.1 | 92.6 | 92.6 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 |
| 100             | 67.8                       | 86.1 | 88.1 | 90.7 | 92.3 | 92.8 | 93.9 | 94.3 | 94.3 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 |
| 50              | 67.8                       | 86.1 | 88.1 | 90.7 | 92.3 | 92.8 | 93.9 | 94.3 | 94.3 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 |
| 0               | 67.3                       | 86.2 | 88.2 | 90.9 | 92.6 | 93.1 | 94.3 | 94.9 | 94.9 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 |
| 1000            | 67.9                       | 86.6 | 88.6 | 91.2 | 92.9 | 93.4 | 94.9 | 95.7 | 95.7 | 96.4 | 96.4 | 96.4 | 96.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 |
| 900             | 67.9                       | 86.8 | 88.8 | 91.7 | 93.3 | 94.0 | 95.7 | 96.6 | 96.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 |
| 800             | 67.9                       | 86.9 | 88.9 | 91.8 | 93.6 | 94.2 | 96.1 | 97.1 | 97.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 |
| 700             | 67.9                       | 86.9 | 88.9 | 92.1 | 93.9 | 94.6 | 96.4 | 97.4 | 97.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 |
| 600             | 67.9                       | 86.9 | 88.9 | 92.1 | 93.9 | 94.6 | 96.4 | 97.4 | 97.4 | 98.8 | 98.8 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| 500             | 67.9                       | 86.9 | 88.9 | 92.1 | 93.9 | 94.6 | 96.4 | 97.6 | 97.6 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| 400             | 67.9                       | 86.9 | 88.9 | 92.1 | 93.9 | 94.6 | 96.4 | 97.6 | 97.6 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| 300             | 67.9                       | 86.9 | 88.9 | 92.1 | 93.9 | 94.6 | 96.4 | 97.6 | 97.6 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| 200             | 67.9                       | 86.9 | 88.9 | 92.1 | 93.9 | 94.6 | 96.4 | 97.6 | 97.6 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| 100             | 67.9                       | 86.9 | 88.9 | 92.1 | 93.9 | 94.6 | 96.4 | 97.6 | 97.6 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| 50              | 67.9                       | 86.9 | 88.9 | 92.1 | 93.9 | 94.6 | 96.4 | 97.6 | 97.6 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| 0               | 67.9                       | 86.9 | 88.9 | 92.1 | 93.9 | 94.6 | 96.4 | 97.6 | 97.6 | 98.9 | 98.9 | 98.9 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAL

## CEILING VERSUS VISIBILITY

72457 PHILLIPS/ABERDEEN, MD

46-57

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

100-2300

|          |      | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |    |
|----------|------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|----|
|          |      | 200                        | 26   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12    | 11 |
| 100-2300 | FEET | 41.2                       | 49.4 | 50.6 | 51.2 | 51.7 | 51.4 | 51.6 | 51.8 | 51.9 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1 | 52.1 | 52.3  |    |
| 100-2300 | FEET | 46.1                       | 54.4 | 55.5 | 56.6 | 56.7 | 56.8 | 56.9 | 57.1 | 57.1 | 57.3 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4 | 57.8  |    |
| 100-2300 | FEET | 46.1                       | 54.6 | 55.9 | 56.7 | 56.8 | 56.9 | 57.0 | 57.2 | 57.2 | 57.4 | 57.4 | 57.4 | 57.6 | 57.6 | 57.6 | 57.9  |    |
| 100-2300 | FEET | 46.1                       | 54.6 | 55.9 | 56.7 | 56.8 | 56.9 | 57.0 | 57.2 | 57.2 | 57.4 | 57.4 | 57.4 | 57.6 | 57.6 | 57.6 | 57.9  |    |
| 100-2300 | FEET | 46.4                       | 55.2 | 56.6 | 57.6 | 57.7 | 57.8 | 57.9 | 58.1 | 58.1 | 58.3 | 58.3 | 58.3 | 58.4 | 58.4 | 58.4 | 58.8  |    |
| 100-2300 | FEET | 48.1                       | 57.4 | 58.8 | 59.8 | 59.9 | 60.0 | 60.1 | 60.3 | 60.3 | 60.6 | 60.6 | 60.6 | 60.7 | 60.7 | 60.7 | 61.0  |    |
| 100-2300 | FEET | 50.9                       | 62.1 | 63.6 | 64.8 | 64.9 | 65.0 | 65.1 | 65.3 | 65.3 | 65.6 | 65.6 | 65.6 | 65.7 | 65.7 | 65.7 | 66.0  |    |
| 100-2300 | FEET | 51.9                       | 63.6 | 65.0 | 66.2 | 66.3 | 66.4 | 66.6 | 66.6 | 66.8 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.4  |    |
| 100-2300 | FEET | 54.7                       | 67.0 | 69.6 | 69.8 | 69.9 | 70.0 | 70.2 | 70.4 | 70.4 | 70.7 | 70.7 | 70.7 | 70.8 | 70.8 | 70.8 | 71.1  |    |
| 100-2300 | FEET | 56.2                       | 69.4 | 71.2 | 72.4 | 72.8 | 72.9 | 73.1 | 73.3 | 73.3 | 73.6 | 73.6 | 73.6 | 73.7 | 73.7 | 73.7 | 74.1  |    |
| 100-2300 | FEET | 58.0                       | 72.4 | 74.2 | 75.4 | 75.8 | 75.9 | 76.1 | 76.3 | 76.3 | 76.6 | 76.6 | 76.6 | 76.7 | 76.7 | 76.7 | 77.3  |    |
| 100-2300 | FEET | 59.1                       | 74.7 | 76.4 | 77.7 | 78.0 | 78.1 | 78.3 | 78.6 | 78.6 | 78.8 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 79.6  |    |
| 100-2300 | FEET | 59.9                       | 76.0 | 77.8 | 79.0 | 79.3 | 79.4 | 79.7 | 79.9 | 79.9 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.9  |    |
| 100-2300 | FEET | 61.2                       | 78.3 | 80.2 | 81.7 | 82.3 | 82.4 | 82.7 | 82.9 | 82.9 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.9  |    |
| 100-2300 | FEET | 62.0                       | 80.2 | 82.2 | 83.7 | 84.3 | 84.4 | 84.7 | 84.9 | 84.9 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.9  |    |
| 100-2300 | FEET | 62.2                       | 81.0 | 83.2 | 84.7 | 85.3 | 85.4 | 85.7 | 86.0 | 86.0 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 87.0  |    |
| 100-2300 | FEET | 63.0                       | 82.4 | 84.8 | 86.3 | 87.3 | 87.4 | 87.7 | 88.0 | 88.0 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 89.0  |    |
| 100-2300 | FEET | 63.0                       | 83.3 | 85.7 | 87.2 | 88.3 | 88.4 | 88.8 | 89.1 | 89.1 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 90.1  |    |
| 100-2300 | FEET | 63.1                       | 83.1 | 85.9 | 87.6 | 88.7 | 88.8 | 89.1 | 89.4 | 89.4 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 90.4  |    |
| 100-2300 | FEET | 63.3                       | 83.6 | 86.9 | 89.0 | 90.3 | 90.4 | 90.9 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6 | 92.2  |    |
| 100-2300 | FEET | 63.4                       | 84.2 | 87.6 | 89.7 | 91.3 | 91.4 | 91.9 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 93.2  |    |
| 100-2300 | FEET | 63.4                       | 84.7 | 88.1 | 90.2 | 92.0 | 92.1 | 92.8 | 93.1 | 93.1 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 94.1  |    |
| 100-2300 | FEET | 63.7                       | 85.1 | 88.6 | 90.7 | 92.4 | 92.6 | 93.3 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.7  |    |
| 100-2300 | FEET | 63.7                       | 85.3 | 88.9 | 91.0 | 92.9 | 93.0 | 93.8 | 94.2 | 94.2 | 94.4 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 95.2  |    |
| 100-2300 | FEET | 63.7                       | 85.3 | 89.9 | 91.1 | 93.2 | 93.6 | 94.4 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 96.0  |    |
| 100-2300 | FEET | 63.7                       | 85.6 | 89.1 | 91.4 | 93.6 | 94.0 | 95.0 | 95.6 | 95.6 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.7  |    |
| 100-2300 | FEET | 63.7                       | 85.6 | 89.1 | 91.4 | 94.1 | 94.6 | 95.8 | 96.6 | 96.6 | 96.9 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.9  |    |
| 100-2300 | FEET | 63.7                       | 85.6 | 89.1 | 91.4 | 94.1 | 94.6 | 95.9 | 96.7 | 96.7 | 97.0 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 98.0  |    |
| 100-2300 | FEET | 63.7                       | 85.6 | 89.1 | 91.4 | 94.1 | 94.8 | 96.4 | 97.3 | 97.3 | 97.8 | 98.0 | 98.0 | 98.2 | 98.3 | 98.3 | 99.0  |    |
| 100-2300 | FEET | 63.7                       | 85.6 | 89.1 | 91.4 | 94.1 | 95.0 | 96.7 | 97.6 | 97.6 | 98.0 | 98.2 | 98.2 | 98.4 | 98.6 | 98.9 | 99.6  |    |
| 100-2300 | FEET | 63.7                       | 85.6 | 89.1 | 91.4 | 94.1 | 95.0 | 96.7 | 97.6 | 97.6 | 98.0 | 98.2 | 98.2 | 98.4 | 98.6 | 98.9 | 99.7  |    |
| 100-2300 | FEET | 63.7                       | 85.6 | 89.1 | 91.4 | 94.1 | 95.0 | 96.7 | 97.6 | 97.6 | 98.0 | 98.2 | 98.2 | 98.4 | 98.6 | 99.0 | 100.0 |    |

TOTAL NUMBER OF OBSERVATIONS 920

USAF ETAC 0-14-5 (01, A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72457 PHILLIPS/ABERDEEN MD

48-57

APC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET |      | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 |      | ≥10                        | 26   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12    |
| 2000            | FEET | 34.2                       | 40.7 | 41.7 | 42.3 | 42.6 | 42.7 | 42.8 | 43.0 | 43.0 | 43.1 | 43.1 | 43.1 | 43.2 | 43.2 | 43.2 | 43.3  |
| 1800            | FEET | 40.0                       | 47.6 | 49.7 | 49.7 | 50.0 | 50.1 | 50.3 | 50.5 | 50.5 | 50.6 | 50.6 | 50.6 | 50.7 | 50.7 | 50.8 | 50.9  |
| 1600            | FEET | 40.3                       | 48.3 | 49.7 | 50.4 | 50.8 | 50.8 | 51.0 | 51.2 | 51.2 | 51.3 | 51.3 | 51.3 | 51.4 | 51.4 | 51.5 | 51.6  |
| 1400            | FEET | 40.4                       | 48.5 | 49.9 | 50.6 | 51.0 | 51.0 | 51.2 | 51.4 | 51.4 | 51.5 | 51.5 | 51.5 | 51.6 | 51.6 | 51.7 | 51.8  |
| 1200            | FEET | 40.9                       | 49.6 | 51.1 | 51.6 | 52.2 | 52.3 | 52.5 | 52.7 | 52.7 | 52.7 | 52.8 | 52.8 | 52.9 | 52.9 | 52.9 | 53.0  |
| 1000            | FEET | 42.4                       | 51.6 | 53.3 | 54.1 | 54.5 | 54.7 | 54.8 | 55.0 | 55.0 | 55.1 | 55.1 | 55.1 | 55.3 | 55.3 | 55.3 | 55.4  |
| 800             | FEET | 45.3                       | 55.9 | 57.5 | 58.5 | 59.9 | 59.1 | 59.3 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 | 59.7 | 59.7 | 59.8 | 59.9  |
| 600             | FEET | 46.3                       | 57.3 | 58.9 | 60.0 | 60.4 | 60.6 | 60.8 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.3 | 61.3 | 61.3 | 61.4  |
| 400             | FEET | 48.5                       | 60.8 | 62.5 | 63.6 | 64.1 | 64.3 | 64.5 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 | 65.0 | 65.0 | 65.0 | 65.1  |
| 200             | FEET | 49.9                       | 63.1 | 65.0 | 66.2 | 66.8 | 66.9 | 67.2 | 67.4 | 67.4 | 67.5 | 67.5 | 67.5 | 67.6 | 67.6 | 67.7 | 67.8  |
| 0               | FEET | 52.3                       | 66.2 | 68.1 | 69.3 | 69.9 | 70.1 | 70.3 | 70.6 | 70.6 | 70.6 | 70.7 | 70.7 | 70.8 | 70.8 | 70.8 | 71.0  |
| 2000            | FEET | 54.3                       | 69.0 | 71.0 | 72.3 | 72.9 | 73.1 | 73.4 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 | 73.9 | 73.9 | 73.9 | 74.1  |
| 1800            | FEET | 55.3                       | 70.6 | 72.6 | 73.9 | 74.6 | 74.8 | 75.1 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.6 | 75.6 | 75.6 | 75.8  |
| 1600            | FEET | 57.2                       | 73.5 | 75.7 | 77.1 | 78.0 | 78.2 | 78.6 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 79.1 | 79.1 | 79.1 | 79.3  |
| 1400            | FEET | 58.3                       | 75.2 | 77.5 | 79.0 | 79.9 | 80.2 | 80.6 | 80.8 | 80.9 | 80.9 | 81.0 | 81.0 | 81.1 | 81.1 | 81.2 | 81.3  |
| 1200            | FEET | 59.0                       | 76.9 | 79.5 | 81.1 | 82.2 | 82.4 | 82.9 | 83.2 | 83.2 | 83.3 | 83.3 | 83.4 | 83.5 | 83.5 | 83.6 | 83.7  |
| 1000            | FEET | 59.6                       | 78.3 | 81.0 | 82.8 | 84.1 | 84.3 | 84.8 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.5 | 85.5 | 85.5 | 85.7  |
| 800             | FEET | 60.0                       | 79.3 | 82.2 | 84.2 | 85.6 | 85.8 | 86.4 | 86.6 | 86.8 | 86.9 | 86.9 | 86.9 | 87.1 | 87.1 | 87.2 | 87.3  |
| 600             | FEET | 60.1                       | 79.5 | 82.4 | 84.5 | 85.9 | 86.1 | 86.7 | 87.0 | 87.1 | 87.2 | 87.2 | 87.3 | 87.4 | 87.4 | 87.5 | 87.6  |
| 400             | FEET | 60.4                       | 80.4 | 83.5 | 85.8 | 87.3 | 87.6 | 88.3 | 88.6 | 88.7 | 88.8 | 88.8 | 88.9 | 89.0 | 89.0 | 89.1 | 89.2  |
| 200             | FEET | 60.5                       | 81.3 | 84.5 | 86.9 | 88.5 | 88.8 | 89.5 | 89.9 | 89.9 | 90.0 | 90.1 | 90.1 | 90.3 | 90.3 | 90.3 | 90.5  |
| 0               | FEET | 60.6                       | 81.8 | 85.1 | 87.7 | 89.5 | 90.0 | 90.9 | 91.3 | 91.4 | 91.6 | 91.6 | 91.7 | 91.9 | 91.9 | 91.9 | 92.1  |
| 2000            | FEET | 60.6                       | 81.9 | 85.4 | 88.0 | 89.9 | 90.4 | 91.4 | 91.9 | 92.0 | 92.2 | 92.3 | 92.3 | 92.5 | 92.5 | 92.5 | 92.7  |
| 1800            | FEET | 60.7                       | 82.2 | 85.7 | 88.4 | 90.4 | 91.1 | 92.3 | 92.9 | 93.0 | 93.2 | 93.3 | 93.3 | 93.5 | 93.5 | 93.5 | 93.7  |
| 1600            | FEET | 60.7                       | 82.4 | 85.9 | 88.7 | 90.9 | 91.8 | 93.1 | 93.9 | 94.0 | 94.3 | 94.4 | 94.4 | 94.6 | 94.6 | 94.7 | 94.8  |
| 1400            | FEET | 60.7                       | 82.5 | 86.1 | 89.0 | 91.3 | 92.3 | 94.0 | 94.9 | 95.0 | 95.4 | 95.4 | 95.5 | 95.7 | 95.7 | 95.8 | 95.9  |
| 1200            | FEET | 60.8                       | 82.7 | 86.3 | 89.2 | 91.8 | 92.9 | 94.9 | 96.0 | 96.2 | 96.7 | 96.9 | 96.9 | 97.2 | 97.2 | 97.3 | 97.4  |
| 1000            | FEET | 60.8                       | 82.7 | 86.3 | 89.4 | 92.1 | 93.2 | 95.3 | 96.6 | 96.9 | 97.5 | 97.6 | 97.7 | 98.0 | 98.0 | 98.1 | 98.2  |
| 800             | FEET | 60.8                       | 82.7 | 86.3 | 89.4 | 92.1 | 93.3 | 95.6 | 96.9 | 97.2 | 97.9 | 98.1 | 98.2 | 98.6 | 98.7 | 98.7 | 98.9  |
| 600             | FEET | 60.9                       | 82.7 | 86.3 | 89.4 | 92.1 | 93.3 | 95.7 | 97.0 | 97.3 | 98.1 | 98.3 | 98.4 | 98.8 | 98.9 | 99.1 | 99.2  |
| 400             | FEET | 60.8                       | 82.7 | 86.3 | 89.4 | 92.1 | 93.3 | 95.7 | 97.1 | 97.3 | 98.1 | 98.4 | 98.5 | 98.9 | 99.0 | 99.3 | 99.8  |
| 200             | FEET | 60.8                       | 82.7 | 86.3 | 89.4 | 92.1 | 93.3 | 95.7 | 97.1 | 97.3 | 98.1 | 98.4 | 98.5 | 98.9 | 99.0 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

48-57

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0000

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | 20                       | 26   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12   | 11   | 10   | 9    | 8    |
| 20000           | 35.5                     | 46.7 | 47.7 | 48.2 | 49.0 | 49.2 | 49.6 | 49.8 | 49.9 | 49.9 | 49.9 | 49.9 | 50.1 | 50.2 | 50.2 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| 18000           | 37.4                     | 49.4 | 50.5 | 51.0 | 51.8 | 52.0 | 52.4 | 52.6 | 52.6 | 52.8 | 52.8 | 52.9 | 53.0 | 53.1 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 16000           | 37.5                     | 49.5 | 50.6 | 51.1 | 51.9 | 52.2 | 52.5 | 52.7 | 52.7 | 52.9 | 52.9 | 52.9 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 14000           | 37.5                     | 49.5 | 50.6 | 51.1 | 51.9 | 52.2 | 52.5 | 52.7 | 52.7 | 52.9 | 52.9 | 52.9 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 12000           | 37.8                     | 50.2 | 51.4 | 51.8 | 52.7 | 52.9 | 53.2 | 53.4 | 53.4 | 53.7 | 53.7 | 53.7 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| 10000           | 40.2                     | 53.1 | 54.3 | 54.8 | 55.7 | 55.9 | 56.2 | 56.5 | 56.5 | 56.7 | 56.7 | 56.7 | 56.9 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| 8000            | 43.2                     | 55.8 | 60.7 | 60.9 | 61.8 | 62.2 | 62.6 | 62.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| 6000            | 44.2                     | 60.4 | 61.9 | 62.6 | 63.5 | 63.9 | 64.3 | 64.5 | 64.5 | 64.7 | 64.7 | 64.7 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| 4000            | 46.0                     | 63.7 | 65.4 | 66.1 | 67.1 | 67.4 | 67.8 | 68.2 | 68.2 | 68.4 | 68.4 | 68.4 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| 2000            | 47.7                     | 66.7 | 68.7 | 69.7 | 70.6 | 71.0 | 71.4 | 71.7 | 71.7 | 71.9 | 72.0 | 72.0 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 1000            | 48.2                     | 68.0 | 70.1 | 71.2 | 72.3 | 72.6 | 73.0 | 73.3 | 73.3 | 73.5 | 73.7 | 73.7 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| 800             | 48.4                     | 68.8 | 71.0 | 72.2 | 73.2 | 73.5 | 74.0 | 74.3 | 74.3 | 74.6 | 74.7 | 74.7 | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| 600             | 48.8                     | 69.4 | 71.5 | 72.7 | 73.8 | 74.1 | 74.5 | 74.8 | 74.8 | 75.2 | 75.3 | 75.3 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| 400             | 49.6                     | 70.8 | 73.1 | 74.4 | 75.5 | 75.8 | 76.2 | 76.6 | 76.6 | 76.9 | 77.0 | 77.0 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 200             | 49.9                     | 71.6 | 74.1 | 75.5 | 76.7 | 77.0 | 77.4 | 77.7 | 77.7 | 78.1 | 78.2 | 78.2 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| 100             | 50.2                     | 73.4 | 76.1 | 77.8 | 79.0 | 79.4 | 79.8 | 80.1 | 80.1 | 80.4 | 80.5 | 80.5 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| 80              | 51.0                     | 74.6 | 77.7 | 79.6 | 81.1 | 81.4 | 81.8 | 82.2 | 82.2 | 82.6 | 82.7 | 82.7 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| 60              | 51.5                     | 75.5 | 78.7 | 81.6 | 82.2 | 82.5 | 82.9 | 83.2 | 83.2 | 83.7 | 83.8 | 83.8 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| 40              | 51.8                     | 75.9 | 79.2 | 81.2 | 82.7 | 83.0 | 83.4 | 83.8 | 83.8 | 84.2 | 84.3 | 84.3 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| 20              | 52.0                     | 77.5 | 81.0 | 82.9 | 84.7 | 85.2 | 85.6 | 85.9 | 85.9 | 86.5 | 86.6 | 86.6 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| 10              | 52.3                     | 78.3 | 81.9 | 83.8 | 85.9 | 86.3 | 87.0 | 87.3 | 87.3 | 87.8 | 88.0 | 88.0 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 5               | 52.3                     | 78.9 | 83.0 | 85.2 | 87.8 | 88.3 | 89.8 | 90.2 | 90.2 | 90.9 | 91.0 | 91.0 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| 2               | 52.4                     | 79.5 | 84.0 | 86.2 | 89.1 | 89.6 | 91.6 | 92.0 | 92.0 | 92.7 | 92.8 | 92.8 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 1               | 52.5                     | 79.7 | 84.2 | 86.6 | 89.8 | 90.2 | 92.3 | 92.7 | 92.7 | 93.3 | 93.5 | 93.5 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 0               | 52.5                     | 79.7 | 84.2 | 86.6 | 89.8 | 90.2 | 92.4 | 92.8 | 92.8 | 93.4 | 93.7 | 93.7 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 0               | 52.5                     | 80.0 | 84.5 | 87.3 | 90.8 | 91.2 | 93.5 | 94.1 | 94.1 | 94.7 | 94.9 | 94.9 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| 0               | 52.5                     | 80.0 | 84.5 | 87.3 | 91.0 | 91.4 | 94.0 | 94.5 | 94.5 | 95.3 | 95.5 | 95.5 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 0               | 52.5                     | 80.0 | 84.5 | 87.3 | 91.0 | 91.4 | 94.1 | 94.6 | 94.6 | 95.7 | 95.9 | 95.9 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 0               | 52.5                     | 80.1 | 84.7 | 87.5 | 91.4 | 91.8 | 94.7 | 95.3 | 95.3 | 96.7 | 96.9 | 96.9 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 0               | 52.5                     | 80.1 | 84.7 | 87.6 | 91.5 | 91.9 | 94.8 | 95.4 | 95.4 | 97.0 | 97.3 | 97.3 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 0               | 52.5                     | 80.1 | 84.7 | 87.6 | 91.5 | 91.9 | 94.8 | 95.4 | 95.4 | 97.1 | 97.4 | 97.4 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

46-57

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

724057

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥ 10                     | 20   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12    |
| ≥ 20000         | 26.9                     | 37.8 | 38.8 | 40.2 | 41.3 | 41.6 | 42.4 | 42.7 | 43.0 | 44.0 | 44.2 | 44.2 | 44.3 | 44.4 | 44.6 | 45.1  |
| ≥ 18000         | 28.5                     | 40.3 | 41.5 | 43.0 | 44.1 | 44.4 | 45.4 | 45.7 | 46.0 | 47.0 | 47.3 | 47.3 | 47.4 | 47.5 | 48.0 | 48.3  |
| ≥ 16000         | 29.1                     | 40.8 | 41.0 | 43.4 | 44.5 | 44.8 | 45.8 | 46.1 | 46.5 | 47.4 | 47.7 | 47.7 | 47.8 | 48.1 | 49.4 | 48.7  |
| ≥ 14000         | 29.6                     | 41.3 | 42.5 | 44.0 | 45.1 | 45.4 | 46.3 | 46.7 | 47.0 | 48.0 | 48.3 | 48.3 | 48.4 | 48.5 | 48.9 | 49.2  |
| ≥ 12000         | 30.2                     | 42.3 | 43.4 | 44.9 | 46.0 | 46.3 | 47.3 | 47.6 | 48.0 | 48.9 | 49.2 | 49.2 | 49.4 | 49.5 | 49.9 | 50.2  |
| ≥ 10000         | 31.8                     | 43.3 | 46.5 | 48.4 | 49.7 | 50.0 | 51.1 | 51.5 | 51.8 | 52.8 | 53.1 | 53.1 | 53.2 | 53.3 | 53.8 | 54.1  |
| ≥ 9000          | 34.5                     | 49.6 | 51.1 | 53.0 | 54.3 | 54.6 | 55.7 | 56.1 | 56.5 | 57.4 | 57.7 | 57.7 | 58.0 | 58.1 | 58.5 | 58.8  |
| ≥ 8000          | 35.3                     | 50.5 | 52.0 | 54.0 | 55.3 | 55.6 | 56.7 | 57.1 | 57.4 | 58.4 | 58.7 | 58.7 | 58.9 | 59.0 | 59.5 | 59.8  |
| ≥ 7000          | 36.5                     | 53.1 | 54.8 | 56.9 | 58.3 | 58.6 | 59.8 | 60.2 | 60.6 | 61.6 | 61.9 | 61.9 | 62.2 | 62.3 | 62.7 | 63.1  |
| ≥ 6000          | 38.3                     | 56.1 | 57.8 | 59.9 | 61.3 | 61.6 | 62.8 | 63.2 | 63.7 | 64.6 | 64.9 | 64.9 | 65.3 | 65.4 | 65.8 | 66.2  |
| ≥ 5000          | 39.9                     | 57.4 | 59.4 | 61.7 | 63.1 | 63.4 | 64.7 | 65.2 | 65.6 | 66.6 | 66.9 | 66.9 | 67.2 | 67.3 | 67.7 | 68.2  |
| ≥ 4500          | 39.9                     | 59.5 | 61.7 | 64.3 | 65.9 | 66.2 | 67.8 | 68.3 | 68.8 | 69.8 | 70.1 | 70.1 | 70.4 | 70.5 | 71.1 | 71.5  |
| ≥ 4000          | 40.5                     | 60.8 | 63.1 | 65.8 | 67.4 | 67.7 | 69.4 | 69.9 | 70.4 | 71.4 | 71.7 | 71.7 | 72.0 | 72.2 | 72.7 | 73.1  |
| ≥ 3500          | 40.5                     | 61.4 | 63.9 | 66.5 | 68.2 | 68.5 | 70.1 | 70.6 | 71.2 | 72.2 | 72.5 | 72.5 | 72.9 | 73.1 | 73.5 | 74.0  |
| ≥ 3000          | 41.3                     | 62.7 | 65.3 | 68.1 | 69.9 | 70.2 | 71.8 | 72.5 | 73.0 | 74.0 | 74.3 | 74.3 | 74.7 | 74.8 | 75.4 | 75.8  |
| ≥ 2500          | 41.6                     | 64.0 | 66.9 | 70.1 | 72.0 | 72.4 | 74.0 | 74.6 | 75.2 | 76.1 | 76.5 | 76.5 | 76.9 | 77.0 | 77.5 | 78.0  |
| ≥ 2000          | 41.6                     | 64.4 | 67.8 | 71.4 | 73.5 | 73.9 | 75.7 | 76.3 | 76.9 | 77.8 | 78.2 | 78.2 | 78.7 | 78.8 | 79.4 | 79.8  |
| ≥ 1800          | 41.9                     | 64.8 | 68.4 | 72.0 | 74.2 | 74.5 | 76.3 | 77.0 | 77.5 | 78.5 | 78.8 | 78.8 | 79.4 | 79.5 | 80.0 | 80.4  |
| ≥ 1600          | 42.3                     | 65.6 | 69.7 | 73.7 | 76.1 | 76.5 | 78.3 | 78.9 | 79.5 | 80.4 | 80.8 | 80.8 | 81.3 | 81.4 | 81.9 | 82.4  |
| ≥ 1400          | 42.3                     | 67.0 | 71.2 | 75.6 | 78.6 | 78.9 | 81.0 | 81.6 | 82.2 | 83.4 | 83.8 | 83.8 | 84.3 | 84.4 | 84.9 | 85.4  |
| ≥ 1200          | 42.8                     | 68.1 | 72.5 | 77.2 | 80.6 | 81.0 | 83.8 | 84.4 | 84.9 | 86.2 | 86.6 | 86.6 | 87.1 | 87.2 | 87.7 | 88.2  |
| ≥ 1000          | 42.8                     | 68.3 | 72.8 | 77.7 | 81.5 | 82.0 | 85.2 | 85.8 | 86.3 | 87.6 | 88.0 | 88.0 | 88.5 | 88.6 | 89.1 | 89.6  |
| ≥ 900           | 42.8                     | 68.4 | 72.9 | 78.0 | 81.9 | 82.7 | 86.1 | 87.0 | 87.6 | 89.4 | 89.7 | 89.7 | 90.2 | 90.3 | 90.9 | 91.4  |
| ≥ 800           | 42.8                     | 68.4 | 73.0 | 78.2 | 82.3 | 83.1 | 86.8 | 87.7 | 88.5 | 90.2 | 90.5 | 90.5 | 91.1 | 91.2 | 91.7 | 92.3  |
| ≥ 700           | 42.8                     | 68.6 | 73.4 | 78.7 | 83.4 | 84.5 | 88.3 | 89.4 | 90.1 | 91.8 | 92.3 | 92.3 | 92.8 | 92.9 | 93.4 | 94.0  |
| ≥ 600           | 42.8                     | 68.6 | 73.5 | 78.9 | 83.8 | 84.8 | 88.7 | 90.2 | 91.0 | 93.0 | 93.7 | 93.7 | 94.3 | 94.4 | 95.1 | 95.6  |
| ≥ 500           | 42.8                     | 68.6 | 73.5 | 78.9 | 83.8 | 84.8 | 89.0 | 90.6 | 91.4 | 93.5 | 94.3 | 94.3 | 95.2 | 95.3 | 96.0 | 96.6  |
| ≥ 400           | 42.8                     | 68.6 | 73.7 | 79.0 | 83.9 | 84.9 | 89.2 | 91.0 | 91.8 | 94.1 | 95.1 | 95.1 | 96.1 | 96.2 | 97.0 | 97.5  |
| ≥ 300           | 42.8                     | 68.6 | 73.7 | 79.0 | 83.9 | 84.9 | 89.2 | 91.0 | 91.8 | 94.2 | 95.2 | 95.2 | 96.3 | 96.5 | 97.3 | 98.2  |
| ≥ 200           | 42.8                     | 68.6 | 73.7 | 79.0 | 83.9 | 84.9 | 89.2 | 91.0 | 91.8 | 94.2 | 95.2 | 95.2 | 96.3 | 96.5 | 97.3 | 98.4  |
| ≥ 100           | 42.8                     | 68.6 | 73.7 | 79.0 | 83.9 | 84.9 | 89.2 | 91.0 | 91.8 | 94.2 | 95.2 | 95.2 | 96.3 | 96.5 | 97.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

48-57

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0000

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | 210                        | 20   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12    |
| 21000           | 23.0                       | 32.4 | 33.0 | 36.1 | 36.9 | 37.3 | 37.7 | 37.8 | 38.1 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0  |
| 20000           | 25.2                       | 37.7 | 39.5 | 42.2 | 42.9 | 43.3 | 43.8 | 44.1 | 44.2 | 44.3 | 44.3 | 44.3 | 44.4 | 44.4 | 44.4 | 44.4  |
| 18000           | 28.7                       | 38.6 | 41.3 | 43.0 | 43.8 | 44.2 | 44.6 | 44.9 | 45.1 | 45.2 | 45.2 | 45.2 | 45.3 | 45.3 | 45.3 | 45.3  |
| 16000           | 29.7                       | 38.6 | 41.3 | 43.0 | 43.8 | 44.2 | 44.6 | 44.9 | 45.1 | 45.2 | 45.2 | 45.2 | 45.3 | 45.3 | 45.3 | 45.3  |
| 14000           | 30.0                       | 40.2 | 42.0 | 45.3 | 46.1 | 46.6 | 47.0 | 47.3 | 47.4 | 47.5 | 47.5 | 47.5 | 47.6 | 47.6 | 47.6 | 47.6  |
| 12000           | 33.1                       | 44.4 | 46.6 | 50.1 | 51.0 | 51.4 | 51.8 | 52.2 | 52.3 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5  |
| 10000           | 35.3                       | 48.5 | 51.0 | 54.5 | 55.5 | 55.9 | 56.3 | 56.7 | 56.8 | 56.9 | 56.9 | 56.9 | 57.0 | 57.0 | 57.0 | 57.0  |
| 8000            | 37.1                       | 50.9 | 53.3 | 56.9 | 57.8 | 58.3 | 58.7 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.4 | 59.4 | 59.4 | 59.4  |
| 6000            | 41.0                       | 55.1 | 57.6 | 61.7 | 62.8 | 63.2 | 63.8 | 64.1 | 64.2 | 64.4 | 64.4 | 64.4 | 64.5 | 64.5 | 64.5 | 64.5  |
| 4000            | 41.6                       | 56.9 | 59.5 | 63.7 | 64.7 | 65.2 | 65.7 | 66.0 | 66.1 | 66.3 | 66.3 | 66.3 | 66.6 | 66.6 | 66.6 | 66.6  |
| 2000            | 42.7                       | 58.5 | 61.1 | 65.3 | 66.5 | 66.9 | 67.4 | 67.8 | 68.0 | 68.2 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5  |
| 1000            | 42.3                       | 58.9 | 61.6 | 65.8 | 67.2 | 67.7 | 68.6 | 69.0 | 69.1 | 69.4 | 69.5 | 69.5 | 69.7 | 69.7 | 69.8 | 69.9  |
| 500             | 43.3                       | 59.8 | 62.5 | 66.8 | 68.2 | 68.8 | 69.7 | 70.1 | 70.2 | 70.4 | 70.5 | 70.5 | 70.8 | 70.8 | 70.9 | 71.0  |
| 250             | 44.1                       | 60.6 | 63.5 | 67.8 | 69.5 | 70.2 | 71.3 | 71.7 | 71.8 | 72.0 | 72.2 | 72.2 | 72.4 | 72.4 | 72.5 | 72.6  |
| 100             | 44.5                       | 61.1 | 64.2 | 68.6 | 70.2 | 71.0 | 72.0 | 72.5 | 72.6 | 72.8 | 72.9 | 72.9 | 73.1 | 73.1 | 73.2 | 73.3  |
| 50              | 45.3                       | 62.2 | 65.5 | 69.9 | 71.6 | 72.4 | 73.5 | 74.0 | 74.1 | 74.3 | 74.4 | 74.4 | 74.6 | 74.6 | 74.7 | 74.8  |
| 25              | 45.5                       | 62.7 | 66.0 | 70.9 | 72.7 | 73.4 | 74.6 | 75.1 | 75.2 | 75.4 | 75.5 | 75.5 | 75.7 | 75.7 | 75.8 | 75.9  |
| 10              | 45.7                       | 63.4 | 67.0 | 72.6 | 74.6 | 75.4 | 76.7 | 77.1 | 77.2 | 77.4 | 77.6 | 77.6 | 77.8 | 77.8 | 78.0 | 78.1  |
| 5               | 45.8                       | 63.5 | 67.1 | 72.7 | 74.7 | 75.5 | 76.8 | 77.2 | 77.3 | 77.5 | 77.7 | 77.7 | 78.0 | 78.0 | 78.1 | 78.2  |
| 2               | 46.2                       | 64.9 | 69.5 | 75.6 | 78.1 | 79.1 | 80.3 | 80.9 | 81.0 | 81.2 | 81.4 | 81.4 | 81.6 | 81.6 | 81.7 | 81.8  |
| 1               | 46.8                       | 66.0 | 70.9 | 77.5 | 80.6 | 81.6 | 82.9 | 83.4 | 83.5 | 83.8 | 84.0 | 84.0 | 84.2 | 84.2 | 84.3 | 84.4  |
| 0               | 47.1                       | 66.8 | 72.2 | 79.5 | 82.9 | 83.9 | 85.7 | 86.5 | 86.6 | 86.8 | 87.2 | 87.2 | 87.4 | 87.4 | 87.5 | 87.6  |
| 0               | 47.1                       | 67.4 | 72.8 | 80.1 | 83.7 | 84.6 | 86.6 | 87.3 | 87.4 | 87.6 | 88.2 | 88.2 | 88.4 | 88.4 | 88.5 | 88.6  |
| 0               | 47.3                       | 68.0 | 73.3 | 80.6 | 84.4 | 85.5 | 87.8 | 88.7 | 88.8 | 89.1 | 89.7 | 89.7 | 89.9 | 89.9 | 90.0 | 90.1  |
| 0               | 47.4                       | 68.3 | 73.8 | 81.2 | 85.1 | 86.5 | 88.9 | 89.8 | 90.0 | 90.3 | 91.1 | 91.1 | 91.3 | 91.3 | 91.4 | 91.5  |
| 0               | 47.4                       | 68.3 | 74.1 | 81.8 | 86.2 | 87.7 | 90.3 | 91.2 | 91.4 | 92.0 | 92.8 | 92.8 | 93.0 | 93.0 | 93.1 | 93.2  |
| 0               | 47.4                       | 68.7 | 74.7 | 82.6 | 87.2 | 88.6 | 91.6 | 92.9 | 93.2 | 94.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.4 | 95.5  |
| 0               | 47.4                       | 68.7 | 74.7 | 82.8 | 87.4 | 89.1 | 92.0 | 93.5 | 94.1 | 94.9 | 96.1 | 96.1 | 96.2 | 96.7 | 96.7 | 97.0  |
| 0               | 47.4                       | 68.7 | 74.7 | 82.9 | 87.5 | 89.2 | 92.2 | 93.7 | 94.3 | 95.6 | 97.1 | 97.2 | 98.2 | 98.2 | 98.5 | 98.6  |
| 0               | 47.4                       | 68.7 | 74.7 | 82.9 | 87.5 | 89.2 | 92.4 | 93.9 | 94.5 | 95.8 | 97.3 | 97.4 | 98.4 | 98.4 | 98.8 | 99.2  |
| 0               | 47.4                       | 68.7 | 74.7 | 82.9 | 87.5 | 89.2 | 92.4 | 93.9 | 94.5 | 95.8 | 97.3 | 97.4 | 98.4 | 98.4 | 98.9 | 99.6  |
| 0               | 47.4                       | 68.7 | 74.7 | 82.9 | 87.5 | 89.2 | 92.4 | 93.9 | 94.5 | 95.8 | 97.3 | 97.4 | 98.4 | 98.4 | 98.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724757  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

46-57  
YEAR

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

622-1100  
TIME

| CEILING<br>FEET |       | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |        |
|-----------------|-------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
|                 |       | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| 10000           | 10000 | 30.7                     | 37.7 | 38.5 | 39.6 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9  | 39.9 | 39.9  | 39.9   | 39.9  | 39.9   |
| 8000            | 8000  | 37.4                     | 45.2 | 46.0 | 47.4 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7  | 47.7 | 47.7  | 47.7   | 47.7  | 47.7   |
| 6000            | 6000  | 38.1                     | 46.1 | 47.0 | 48.4 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7  | 48.7 | 48.7  | 48.7   | 48.7  | 48.7   |
| 4000            | 4000  | 39.1                     | 46.1 | 47.0 | 48.4 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7  | 48.7 | 48.7  | 48.7   | 48.7  | 48.7   |
| 2000            | 2000  | 39.7                     | 48.0 | 48.8 | 50.3 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6  | 50.6 | 50.6  | 50.6   | 50.6  | 50.6   |
| 1000            | 1000  | 42.3                     | 51.4 | 52.4 | 54.3 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6  | 54.6 | 54.6  | 54.6   | 54.6  | 54.6   |
| 800             | 800   | 44.9                     | 55.5 | 56.9 | 58.8 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1  | 59.1 | 59.1  | 59.1   | 59.1  | 59.1   |
| 600             | 600   | 45.6                     | 56.6 | 58.2 | 60.1 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4  | 60.4 | 60.4  | 60.4   | 60.4  | 60.4   |
| 400             | 400   | 48.2                     | 60.1 | 62.7 | 64.0 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8  | 64.8 | 64.8  | 64.8   | 64.8  | 64.8   |
| 200             | 200   | 49.8                     | 62.3 | 64.2 | 66.1 | 66.9 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  | 67.2 | 67.2  | 67.2   | 67.2  | 67.2   |
| 100             | 100   | 51.0                     | 63.5 | 65.7 | 67.8 | 68.7 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0  | 69.0 | 69.0  | 69.0   | 69.0  | 69.0   |
| 80              | 80    | 52.6                     | 65.6 | 67.7 | 69.9 | 70.8 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1  | 71.1 | 71.1  | 71.1   | 71.1  | 71.1   |
| 60              | 60    | 53.2                     | 66.2 | 68.4 | 70.5 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7  | 71.7 | 71.7  | 71.7   | 71.7  | 71.7   |
| 40              | 40    | 55.6                     | 69.1 | 71.5 | 73.7 | 74.5 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9  | 74.9 | 74.9  | 74.9   | 74.9  | 74.9   |
| 20              | 20    | 56.7                     | 71.6 | 73.7 | 75.2 | 76.1 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6  | 76.6 | 76.6  | 76.6   | 76.6  | 76.6   |
| 10              | 10    | 57.6                     | 72.0 | 74.4 | 76.6 | 77.7 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2  | 78.2 | 78.2  | 78.2   | 78.2  | 78.2   |
| 8               | 8     | 58.5                     | 73.0 | 75.6 | 77.7 | 79.1 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6  | 79.6 | 79.6  | 79.6   | 79.6  | 79.6   |
| 6               | 6     | 58.9                     | 73.5 | 76.5 | 79.1 | 80.6 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1  | 81.1 | 81.1  | 81.1   | 81.1  | 81.1   |
| 4               | 4     | 59.2                     | 74.2 | 77.3 | 80.0 | 81.5 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9  | 81.9 | 81.9  | 81.9   | 81.9  | 81.9   |
| 2               | 2     | 59.7                     | 75.6 | 79.2 | 82.2 | 84.3 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7  | 84.7 | 84.7  | 84.7   | 84.7  | 84.7   |
| 1               | 1     | 60.3                     | 77.1 | 81.1 | 84.3 | 86.6 | 87.2 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3  | 87.3 | 87.3  | 87.3   | 87.3  | 87.3   |
| 0.8             | 0.8   | 60.4                     | 79.1 | 83.1 | 86.6 | 89.1 | 90.2 | 90.5 | 90.5 | 90.5 | 90.8 | 90.8  | 90.8 | 90.8  | 90.8   | 90.8  | 90.8   |
| 0.6             | 0.6   | 60.5                     | 79.7 | 83.7 | 87.4 | 90.2 | 91.4 | 91.8 | 91.8 | 91.8 | 92.0 | 92.0  | 92.0 | 92.0  | 92.0   | 92.0  | 92.0   |
| 0.4             | 0.4   | 60.6                     | 80.4 | 84.5 | 88.5 | 91.5 | 93.0 | 93.9 | 94.0 | 94.1 | 94.3 | 94.3  | 94.3 | 94.3  | 94.3   | 94.3  | 94.3   |
| 0.3             | 0.3   | 60.6                     | 80.6 | 84.9 | 89.1 | 92.5 | 94.0 | 94.9 | 95.2 | 95.4 | 95.6 | 95.6  | 95.6 | 95.6  | 95.6   | 95.6  | 95.6   |
| 0.2             | 0.2   | 60.6                     | 80.8 | 85.5 | 90.1 | 93.7 | 95.2 | 96.2 | 96.5 | 96.7 | 97.1 | 97.1  | 97.1 | 97.1  | 97.1   | 97.1  | 97.1   |
| 0.1             | 0.1   | 60.6                     | 80.9 | 85.6 | 90.3 | 94.3 | 95.8 | 97.4 | 97.6 | 97.8 | 98.6 | 98.7  | 98.7 | 98.7  | 98.7   | 98.7  | 98.7   |
| 0.08            | 0.08  | 60.6                     | 80.9 | 85.6 | 90.3 | 94.3 | 95.8 | 97.5 | 97.8 | 98.2 | 99.0 | 99.1  | 99.1 | 99.1  | 99.1   | 99.1  | 99.1   |
| 0.06            | 0.06  | 60.6                     | 80.9 | 85.6 | 90.3 | 94.3 | 95.8 | 97.6 | 98.0 | 98.3 | 99.2 | 99.6  | 99.6 | 99.6  | 99.6   | 99.6  | 99.6   |
| 0.04            | 0.04  | 60.6                     | 80.9 | 85.6 | 90.3 | 94.3 | 95.8 | 97.6 | 98.0 | 98.3 | 99.4 | 99.7  | 99.7 | 99.7  | 99.7   | 99.7  | 99.7   |
| 0.02            | 0.02  | 60.6                     | 80.9 | 85.6 | 90.3 | 94.3 | 95.8 | 97.6 | 98.0 | 98.3 | 99.4 | 99.7  | 99.7 | 99.7  | 99.7   | 99.7  | 99.7   |
| 0.01            | 0.01  | 60.6                     | 80.9 | 85.6 | 90.3 | 94.3 | 95.8 | 97.6 | 98.0 | 98.3 | 99.4 | 99.7  | 99.7 | 99.7  | 99.7   | 99.7  | 99.7   |

TOTAL NUMBER OF OBSERVATIONS 970

USAF ETAC 0-14-5 (CL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ASEROFFEN MO

4c-57

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1000-1400

|           |      | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   | 95   | 100  | 105  | 110  | 115  | 120 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 0-100     | 30.4 | 36.1 | 37.2 | 38.0 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 |     |
| 100-200   | 39.6 | 46.6 | 48.1 | 49.0 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |     |
| 200-300   | 40.4 | 47.5 | 49.7 | 50.0 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |     |
| 300-400   | 40.4 | 47.5 | 49.0 | 50.0 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |     |
| 400-500   | 41.1 | 48.1 | 49.6 | 50.5 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |     |
| 500-600   | 43.3 | 51.3 | 52.8 | 53.9 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |     |
| 600-700   | 47.0 | 55.4 | 57.2 | 58.6 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |     |
| 700-800   | 47.5 | 56.3 | 58.3 | 59.7 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |     |
| 800-900   | 50.1 | 59.7 | 61.8 | 63.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |     |
| 900-1000  | 51.2 | 61.2 | 63.2 | 64.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |     |
| 1000-1100 | 53.7 | 63.8 | 65.9 | 67.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |     |
| 1100-1200 | 50.3 | 67.1 | 69.2 | 71.1 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |     |
| 1200-1300 | 50.3 | 69.0 | 71.2 | 72.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |     |
| 1300-1400 | 62.2 | 73.7 | 75.9 | 77.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |     |
| 1400-1500 | 64.1 | 75.6 | 78.1 | 79.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |     |
| 1500-1600 | 66.2 | 78.9 | 81.6 | 83.7 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |     |
| 1600-1700 | 66.3 | 80.1 | 83.1 | 85.3 | 86.8 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |     |
| 1700-1800 | 67.3 | 81.2 | 84.3 | 86.8 | 88.4 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |     |
| 1800-1900 | 67.3 | 81.3 | 84.5 | 87.1 | 88.8 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |     |
| 1900-2000 | 67.6 | 84.3 | 86.2 | 89.1 | 91.0 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |     |
| 2000-2100 | 68.1 | 83.4 | 87.6 | 91.0 | 93.2 | 93.8 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |     |
| 2100-2200 | 68.1 | 84.3 | 88.8 | 92.4 | 94.6 | 95.3 | 95.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |     |
| 2200-2300 | 68.2 | 84.5 | 89.0 | 92.7 | 95.1 | 96.1 | 96.6 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |     |
| 2300-2400 | 68.2 | 84.8 | 89.4 | 93.2 | 95.7 | 96.8 | 97.2 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |     |
| 2400-2500 | 68.2 | 84.9 | 89.5 | 93.3 | 95.8 | 96.9 | 97.3 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |     |
| 2500-2600 | 68.2 | 85.1 | 89.7 | 93.7 | 96.1 | 97.3 | 97.7 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |     |
| 2600-2700 | 68.2 | 85.1 | 89.7 | 93.7 | 96.2 | 97.4 | 97.8 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |     |
| 2700-2800 | 68.2 | 85.1 | 89.7 | 93.7 | 96.2 | 97.4 | 97.8 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |     |
| 2800-2900 | 68.2 | 85.1 | 89.7 | 93.7 | 96.2 | 97.4 | 97.8 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |     |
| 2900-3000 | 68.2 | 85.1 | 89.7 | 93.7 | 96.2 | 97.4 | 97.8 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |     |

TOTAL NUMBER OF OBSERVATIONS 977

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

714057

PHILLIPS/ABERDEEN, MD

46-57

547

### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

15-2-17-0

|     |      | VISIBILITY (STATUTE MILES) |      |      |      |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----|------|----------------------------|------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|     |      | 1/4                        | 1/2  | 3/4  | 1    | 1 1/4 | 1 1/2 | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
| 100 | 33.4 | 37.4                       | 38.7 | 38.5 | 39.7 | 38.7  | 38.7  | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 |
| 90  | 43.7 | 49.4                       | 50.1 | 50.4 | 50.6 | 50.6  | 50.6  | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| 80  | 43.5 | 47.7                       | 50.4 | 50.8 | 51.0 | 51.0  | 51.0  | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| 70  | 43.0 | 51.2                       | 51.0 | 51.3 | 51.5 | 51.5  | 51.5  | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 60  | 44.0 | 51.4                       | 52.2 | 52.5 | 52.7 | 52.7  | 52.7  | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 50  | 45.1 | 50.2                       | 55.4 | 56.2 | 56.5 | 56.5  | 56.5  | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| 40  | 52.0 | 60.2                       | 61.3 | 61.8 | 62.2 | 62.2  | 62.5  | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 30  | 53.0 | 61.4                       | 62.5 | 63.1 | 63.3 | 63.3  | 63.7  | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| 20  | 56.3 | 65.8                       | 67.1 | 67.6 | 68.1 | 68.1  | 68.4  | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| 10  | 61.6 | 68.0                       | 69.2 | 69.8 | 70.2 | 70.2  | 70.5  | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 0   | 61.1 | 71.9                       | 72.2 | 72.7 | 73.1 | 73.1  | 73.4  | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 90  | 63.7 | 73.5                       | 74.2 | 75.4 | 75.8 | 75.8  | 76.1  | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| 80  | 64.6 | 74.5                       | 75.4 | 76.3 | 76.8 | 76.8  | 77.1  | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 70  | 68.1 | 71.6                       | 80.2 | 81.3 | 81.7 | 81.7  | 82.0  | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| 60  | 69.1 | 80.3                       | 82.1 | 83.4 | 83.9 | 83.9  | 84.2  | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| 50  | 70.6 | 82.9                       | 84.7 | 86.2 | 86.8 | 86.8  | 87.2  | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| 40  | 71.7 | 84.9                       | 87.1 | 88.6 | 89.1 | 89.1  | 89.6  | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| 30  | 72.6 | 86.5                       | 89.1 | 91.3 | 91.9 | 91.9  | 92.4  | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 20  | 72.6 | 87.0                       | 89.5 | 91.7 | 92.4 | 92.4  | 92.8  | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 10  | 72.6 | 87.8                       | 91.5 | 93.1 | 94.1 | 94.1  | 94.5  | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| 0   | 73.3 | 88.1                       | 91.2 | 94.1 | 95.2 | 95.2  | 95.6  | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| 90  | 73.0 | 88.1                       | 91.2 | 94.2 | 95.7 | 95.9  | 96.8  | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 80  | 73.0 | 88.1                       | 91.2 | 94.2 | 95.9 | 96.5  | 97.5  | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 70  | 73.1 | 88.5                       | 91.6 | 94.6 | 96.3 | 96.9  | 98.2  | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 60  | 73.1 | 88.8                       | 92.2 | 95.3 | 97.1 | 97.6  | 98.9  | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 50  | 73.1 | 88.9                       | 92.4 | 95.6 | 97.4 | 98.0  | 99.2  | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 40  | 73.1 | 88.9                       | 92.4 | 95.7 | 97.5 | 98.1  | 99.4  | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 30  | 73.1 | 88.9                       | 92.4 | 95.7 | 97.5 | 98.1  | 99.5  | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 20  | 73.1 | 88.9                       | 92.4 | 95.7 | 97.5 | 98.1  | 99.5  | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 10  | 73.1 | 88.9                       | 92.4 | 95.7 | 97.5 | 98.1  | 99.5  | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 0   | 73.1 | 88.9                       | 92.4 | 95.7 | 97.5 | 98.1  | 99.5  | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |

TOTAL NUMBER OF OBSERVATIONS 970

OFFICIAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7 4007 HILLIPS/ALFADEEN, MO

4-57

MAY

### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-0000

| CEILING | 4000 | 3000 | 2000 | 1000 | 500  | 400  | 300  | 200  | 100  | 50   | 40   | 30   | 20   | 10   | 5    | 0    |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 4000    | 31.2 | 41.7 | 41.9 | 48.2 | 40.5 | 42.8 | 41.8 | 40.4 | 40.7 | 42.5 | 40.9 | 43.3 | 40.5 | 41.1 | 47.5 | 47.1 |
| 3000    | 44.1 | 51.4 | 53.1 | 54.2 | 54.4 | 54.5 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| 2000    | 44.1 | 53.8 | 57.0 | 54.3 | 54.7 | 54.8 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| 1000    | 54.2 | 54.2 | 54.3 | 54.7 | 55.2 | 55.3 | 55.1 | 55.2 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| 500     | 40.5 | 50.8 | 50.7 | 57.1 | 57.5 | 57.8 | 57.9 | 57.8 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| 400     | 48.7 | 50.5 | 53.0 | 60.2 | 60.6 | 61.0 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 300     | 52.3 | 54.5 | 65.1 | 65.6 | 66.0 | 66.2 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| 200     | 52.1 | 69.4 | 62.0 | 66.6 | 67.0 | 67.2 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 100     | 55.7 | 67.5 | 70.1 | 70.5 | 71.2 | 71.4 | 71.7 | 71.8 | 71.8 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| 50      | 51.1 | 72.5 | 73.1 | 73.8 | 74.2 | 74.4 | 74.7 | 74.7 | 74.7 | 74.6 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| 40      | 51.4 | 75.1 | 75.7 | 76.3 | 76.8 | 77.1 | 77.3 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 30      | 52.2 | 77.4 | 76.1 | 76.7 | 79.1 | 79.4 | 79.7 | 79.7 | 79.7 | 79.6 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| 20      | 52.7 | 73.5 | 79.1 | 79.6 | 80.2 | 80.4 | 80.6 | 80.6 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| 10      | 63.0 | 79.9 | 81.6 | 81.5 | 82.2 | 82.5 | 82.8 | 82.8 | 82.8 | 83.1 | 83.0 | 83.1 | 83.0 | 83.1 | 83.1 | 83.1 |
| 5       | 55.2 | 81.7 | 87.5 | 83.4 | 84.1 | 84.4 | 84.7 | 84.7 | 84.7 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| 0       | 55.7 | 80.7 | 84.9 | 86.2 | 87.2 | 87.8 | 88.3 | 88.3 | 88.3 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 4000    | 56.1 | 84.5 | 85.9 | 87.2 | 89.6 | 89.2 | 89.7 | 89.6 | 89.9 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| 3000    | 56.2 | 84.9 | 86.5 | 88.1 | 90.2 | 91.1 | 91.5 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 2000    | 56.3 | 85.1 | 86.6 | 88.3 | 90.5 | 91.3 | 91.7 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 1000    | 56.6 | 85.5 | 87.1 | 88.7 | 91.2 | 91.9 | 93.7 | 93.4 | 93.4 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| 500     | 56.5 | 85.5 | 87.3 | 89.1 | 91.9 | 92.7 | 93.8 | 94.2 | 94.7 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 |
| 400     | 56.8 | 85.6 | 87.1 | 90.1 | 93.2 | 94.0 | 95.2 | 95.8 | 95.5 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 300     | 56.6 | 85.6 | 87.5 | 91.1 | 93.7 | 94.5 | 95.4 | 96.1 | 96.1 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 |
| 200     | 56.6 | 85.6 | 87.6 | 91.2 | 93.7 | 94.4 | 96.1 | 96.3 | 96.3 | 97.7 | 97.7 | 97.7 | 97.7 | 98.1 | 98.1 | 98.1 |
| 100     | 56.4 | 85.7 | 88.1 | 90.6 | 93.0 | 94.7 | 95.5 | 97.2 | 97.7 | 98.2 | 98.2 | 98.2 | 98.2 | 98.5 | 98.5 | 98.5 |
| 50      | 56.6 | 85.5 | 88.2 | 91.1 | 94.4 | 95.2 | 97.0 | 97.7 | 97.7 | 98.7 | 98.7 | 98.7 | 98.7 | 99.2 | 99.2 | 99.2 |
| 40      | 56.5 | 85.9 | 88.7 | 91.1 | 94.4 | 95.4 | 97.2 | 98.1 | 98.1 | 98.9 | 98.9 | 98.9 | 98.9 | 99.4 | 99.4 | 99.4 |
| 30      | 56.5 | 85.7 | 88.7 | 91.1 | 94.4 | 95.4 | 97.2 | 98.0 | 98.0 | 98.9 | 98.9 | 98.9 | 98.9 | 99.4 | 99.4 | 99.4 |
| 20      | 56.6 | 85.9 | 88.3 | 91.1 | 94.4 | 95.4 | 97.3 | 98.1 | 98.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.7 | 99.7 | 99.7 |
| 10      | 56.6 | 85.9 | 88.3 | 91.1 | 94.4 | 95.4 | 97.3 | 98.1 | 98.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.7 | 99.7 | 99.7 |
| 5       | 56.5 | 85.9 | 89.3 | 91.1 | 94.4 | 95.4 | 97.3 | 98.1 | 98.1 | 99.0 | 99.0 | 99.0 | 99.0 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

MILLERS/ALB-DEEN

## 4-257

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_[illegible]



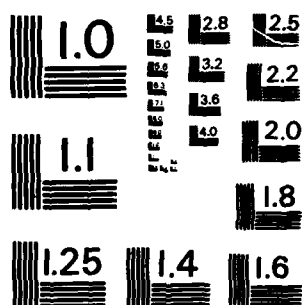
UNCLASSIFIED

USAFETAC/DS-83/047 SBI-AD-E850 500

F/G 4/2

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3/5



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724257

PHILLIPS/ABERDEEN MD

48-57

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |      |      |      |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0   |
| NO CEILING      | 31.8                     | 39.8 | 40.7 | 41.6 | 42.1 | 42.3  | 42.6 | 42.7  | 42.8 | 42.9 | 43.0 | 43.0 | 43.0 | 43.0  | 43.1  | 43.1  |
| ≥ 20000         | 37.5                     | 46.9 | 47.9 | 49.0 | 49.5 | 49.7  | 50.0 | 50.2  | 50.2 | 50.4 | 50.5 | 50.5 | 50.5 | 50.6  | 50.6  | 50.7  |
| IV 18000        | 37.9                     | 47.4 | 48.4 | 49.5 | 50.1 | 50.2  | 50.5 | 50.7  | 50.7 | 50.9 | 51.0 | 51.0 | 51.0 | 51.1  | 51.1  | 51.2  |
| IV 16000        | 38.1                     | 47.6 | 48.6 | 49.7 | 50.3 | 50.4  | 50.7 | 50.9  | 50.9 | 51.1 | 51.2 | 51.2 | 51.2 | 51.3  | 51.3  | 51.4  |
| IV 14000        | 39.1                     | 48.9 | 50.0 | 51.1 | 51.7 | 51.8  | 52.1 | 52.3  | 52.4 | 52.6 | 52.6 | 52.6 | 52.7 | 52.7  | 52.7  | 52.8  |
| IV 12000        | 41.5                     | 52.2 | 53.3 | 54.7 | 55.3 | 55.4  | 55.8 | 56.0  | 56.0 | 56.2 | 56.3 | 56.3 | 56.3 | 56.4  | 56.4  | 56.5  |
| IV 10000        | 44.5                     | 56.8 | 58.3 | 59.7 | 60.4 | 60.5  | 60.9 | 61.1  | 61.2 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5  | 61.6  | 61.6  |
| IV 9000         | 45.4                     | 58.1 | 59.6 | 61.1 | 61.7 | 61.9  | 62.3 | 62.5  | 62.5 | 62.7 | 62.8 | 62.8 | 62.8 | 62.9  | 62.9  | 63.0  |
| IV 8000         | 47.8                     | 61.7 | 63.4 | 64.9 | 65.7 | 65.9  | 66.3 | 66.5  | 66.6 | 66.8 | 66.9 | 66.9 | 66.9 | 67.0  | 67.0  | 67.1  |
| IV 7000         | 49.7                     | 64.2 | 66.0 | 67.6 | 68.4 | 68.6  | 69.1 | 69.3  | 69.3 | 69.6 | 69.6 | 69.6 | 69.7 | 69.7  | 69.8  | 69.9  |
| IV 6000         | 51.2                     | 66.2 | 68.1 | 69.8 | 70.6 | 70.8  | 71.3 | 71.5  | 71.6 | 71.8 | 71.9 | 71.9 | 72.0 | 72.0  | 72.0  | 72.1  |
| IV 5000         | 52.4                     | 68.0 | 69.9 | 71.6 | 72.6 | 72.8  | 73.3 | 73.5  | 73.6 | 73.8 | 73.9 | 73.9 | 74.0 | 74.0  | 74.1  | 74.2  |
| IV 4500         | 53.2                     | 69.1 | 71.0 | 72.7 | 73.6 | 73.9  | 74.4 | 74.6  | 74.7 | 75.0 | 75.0 | 75.0 | 75.1 | 75.2  | 75.2  | 75.3  |
| IV 4000         | 55.0                     | 71.4 | 73.4 | 75.3 | 76.3 | 76.6  | 77.1 | 77.4  | 77.4 | 77.7 | 77.8 | 77.8 | 77.9 | 77.9  | 78.0  | 78.1  |
| IV 3500         | 55.9                     | 72.8 | 74.9 | 76.9 | 77.9 | 78.2  | 78.8 | 79.0  | 79.1 | 79.4 | 79.4 | 79.4 | 79.6 | 79.6  | 79.7  | 79.7  |
| IV 3000         | 56.9                     | 74.7 | 77.1 | 79.2 | 80.4 | 80.7  | 81.3 | 81.5  | 81.6 | 81.9 | 82.0 | 82.0 | 82.1 | 82.2  | 82.2  | 82.3  |
| IV 2500         | 57.4                     | 75.8 | 78.4 | 80.7 | 82.0 | 82.3  | 83.0 | 83.2  | 83.3 | 83.6 | 83.7 | 83.7 | 83.8 | 83.9  | 83.9  | 84.0  |
| IV 2000         | 57.8                     | 76.6 | 79.4 | 82.1 | 83.6 | 84.0  | 84.8 | 85.1  | 85.2 | 85.5 | 85.6 | 85.6 | 85.7 | 85.7  | 85.8  | 85.9  |
| IV 1800         | 57.9                     | 76.9 | 79.8 | 82.5 | 84.2 | 84.6  | 85.3 | 85.6  | 85.7 | 86.0 | 86.1 | 86.1 | 86.3 | 86.3  | 86.4  | 86.5  |
| IV 1500         | 58.2                     | 77.9 | 81.2 | 84.1 | 86.1 | 86.6  | 87.4 | 87.7  | 87.8 | 88.1 | 88.2 | 88.2 | 88.3 | 88.4  | 88.5  | 88.5  |
| IV 1200         | 58.5                     | 78.7 | 82.3 | 85.5 | 87.8 | 88.3  | 89.2 | 89.5  | 89.6 | 90.0 | 90.1 | 90.1 | 90.3 | 90.3  | 90.4  | 90.4  |
| IV 1000         | 58.6                     | 79.4 | 83.3 | 86.8 | 89.5 | 90.1  | 91.4 | 91.8  | 91.9 | 92.4 | 92.6 | 92.6 | 92.8 | 92.8  | 92.9  | 92.9  |
| IV 900          | 58.7                     | 79.7 | 83.7 | 87.3 | 90.1 | 90.8  | 92.3 | 92.8  | 92.9 | 93.4 | 93.6 | 93.6 | 93.8 | 93.8  | 93.9  | 94.0  |
| IV 800          | 58.8                     | 80.1 | 84.1 | 87.7 | 90.7 | 91.6  | 93.3 | 93.9  | 94.0 | 94.7 | 94.8 | 94.8 | 95.1 | 95.1  | 95.2  | 95.3  |
| IV 700          | 58.8                     | 80.2 | 84.3 | 88.1 | 91.2 | 92.1  | 93.9 | 94.5  | 94.7 | 95.4 | 95.6 | 95.6 | 95.8 | 95.9  | 95.9  | 96.0  |
| IV 600          | 58.8                     | 80.4 | 84.6 | 88.6 | 91.9 | 92.9  | 94.8 | 95.4  | 95.6 | 96.4 | 96.6 | 96.6 | 96.9 | 96.9  | 97.0  | 97.1  |
| IV 500          | 58.8                     | 80.4 | 84.7 | 88.8 | 92.2 | 93.2  | 95.3 | 96.0  | 96.2 | 97.2 | 97.4 | 97.4 | 97.7 | 97.8  | 97.9  | 98.0  |
| IV 400          | 58.8                     | 80.4 | 84.7 | 88.8 | 92.3 | 93.3  | 95.4 | 96.2  | 96.5 | 97.5 | 97.8 | 97.8 | 98.2 | 98.2  | 98.3  | 98.4  |
| IV 300          | 58.8                     | 80.5 | 84.8 | 88.9 | 92.4 | 93.4  | 95.6 | 96.4  | 96.7 | 97.8 | 98.3 | 98.3 | 98.8 | 98.8  | 99.0  | 99.1  |
| IV 200          | 58.8                     | 80.5 | 84.8 | 88.9 | 92.4 | 93.4  | 95.7 | 96.5  | 96.8 | 97.9 | 98.4 | 98.4 | 98.9 | 99.0  | 99.2  | 99.4  |
| IV 100          | 58.8                     | 80.5 | 84.8 | 88.9 | 92.4 | 93.4  | 95.7 | 96.5  | 96.8 | 97.9 | 98.4 | 98.4 | 99.0 | 99.0  | 99.2  | 99.5  |
| IV 0            | 58.8                     | 80.5 | 84.8 | 88.9 | 92.4 | 93.4  | 95.7 | 96.5  | 96.8 | 97.9 | 98.4 | 98.4 | 99.0 | 99.0  | 99.3  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7880

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057

PHILLIPS/ABERDEEN MD

48-57

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1.4 | ≥1   | ≥.9  | ≥.8  | ≥.7  | ≥.6  | ≥.5  | ≥.4  |
| NO CEILING      | 36.2                     | 55.1 | 57.0 | 59.0 | 60.7 | 60.9 | 62.1 | 62.1 | 62.2 | 62.7 | 62.7 | 62.7 | 62.7 | 62.8 | 62.8 | 63.0 |
| ≥ 20000         | 37.9                     | 58.0 | 60.0 | 62.0 | 63.7 | 63.9 | 65.1 | 65.1 | 65.2 | 65.7 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 66.0 |
| IV 18000        | 37.9                     | 58.0 | 60.0 | 62.0 | 63.7 | 63.9 | 65.1 | 65.1 | 65.2 | 65.7 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 66.0 |
| IV 16000        | 37.9                     | 58.0 | 60.0 | 62.0 | 63.7 | 63.9 | 65.1 | 65.1 | 65.2 | 65.7 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 66.0 |
| IV 14000        | 38.0                     | 58.4 | 60.4 | 62.4 | 64.1 | 64.3 | 65.6 | 65.6 | 65.7 | 66.1 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.4 |
| IV 12000        | 38.2                     | 60.1 | 62.1 | 64.1 | 65.8 | 66.0 | 67.2 | 67.2 | 67.3 | 67.8 | 67.8 | 67.8 | 67.8 | 67.9 | 67.9 | 68.1 |
| IV 10000        | 38.8                     | 63.0 | 65.2 | 67.2 | 69.0 | 69.2 | 70.4 | 70.4 | 70.6 | 71.0 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.3 |
| IV 9000         | 39.2                     | 64.3 | 66.6 | 68.6 | 70.6 | 70.8 | 72.0 | 72.0 | 72.1 | 72.6 | 72.6 | 72.6 | 72.6 | 72.7 | 72.7 | 72.9 |
| IV 8000         | 40.0                     | 66.1 | 68.4 | 70.4 | 72.8 | 73.0 | 74.2 | 74.2 | 74.3 | 74.8 | 74.8 | 74.8 | 74.8 | 74.9 | 74.9 | 75.1 |
| IV 7000         | 40.8                     | 67.2 | 69.7 | 71.7 | 74.0 | 74.2 | 75.6 | 75.6 | 75.7 | 76.1 | 76.1 | 76.1 | 76.1 | 76.2 | 76.2 | 76.4 |
| IV 6000         | 41.1                     | 69.7 | 72.1 | 74.2 | 76.6 | 76.8 | 78.1 | 78.1 | 78.2 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 79.0 |
| IV 5000         | 41.4                     | 70.8 | 73.3 | 75.4 | 77.8 | 78.0 | 79.3 | 79.3 | 79.4 | 79.9 | 79.9 | 79.9 | 79.9 | 80.0 | 80.0 | 80.2 |
| IV 4500         | 41.4                     | 71.3 | 74.0 | 76.1 | 78.6 | 78.9 | 80.2 | 80.2 | 80.3 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 81.1 |
| IV 4000         | 41.9                     | 72.9 | 76.1 | 78.3 | 80.8 | 81.1 | 82.7 | 82.7 | 82.8 | 83.2 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.6 |
| IV 3500         | 42.0                     | 73.2 | 76.4 | 78.7 | 81.1 | 81.4 | 83.0 | 83.0 | 83.1 | 83.6 | 83.6 | 83.6 | 83.6 | 83.7 | 83.7 | 83.9 |
| IV 3000         | 42.4                     | 74.4 | 78.0 | 80.3 | 82.8 | 83.1 | 84.8 | 84.8 | 84.9 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.7 |
| IV 2500         | 42.8                     | 75.3 | 79.0 | 81.4 | 83.9 | 84.2 | 85.9 | 85.9 | 86.0 | 86.4 | 86.4 | 86.4 | 86.4 | 86.6 | 86.6 | 86.8 |
| IV 2000         | 43.7                     | 77.2 | 81.3 | 83.9 | 86.4 | 86.8 | 88.4 | 88.4 | 88.6 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.3 |
| IV 1800         | 43.7                     | 77.3 | 81.4 | 84.0 | 86.6 | 86.9 | 88.6 | 88.6 | 88.7 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.4 |
| IV 1500         | 44.1                     | 78.4 | 82.9 | 85.6 | 88.2 | 88.6 | 90.2 | 90.2 | 90.3 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 91.1 |
| IV 1200         | 44.1                     | 78.8 | 83.2 | 86.0 | 88.7 | 89.0 | 90.7 | 90.7 | 90.8 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.6 |
| IV 1000         | 44.2                     | 79.7 | 84.2 | 87.2 | 90.7 | 91.0 | 92.7 | 92.8 | 93.0 | 93.4 | 93.4 | 93.4 | 93.4 | 93.6 | 93.6 | 93.9 |
| IV 900          | 44.2                     | 80.0 | 84.7 | 87.7 | 91.4 | 91.8 | 93.4 | 93.6 | 93.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.6 |
| IV 800          | 44.2                     | 80.4 | 85.3 | 88.3 | 92.1 | 92.6 | 94.2 | 94.4 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.4 |
| IV 700          | 44.3                     | 80.8 | 85.9 | 88.9 | 92.8 | 93.2 | 95.0 | 95.2 | 95.4 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.3 |
| IV 600          | 44.3                     | 80.9 | 86.2 | 89.6 | 93.8 | 94.2 | 96.1 | 96.3 | 96.6 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.4 |
| IV 500          | 44.3                     | 81.0 | 86.3 | 89.7 | 94.0 | 94.4 | 96.4 | 96.8 | 97.0 | 97.6 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 98.0 |
| IV 400          | 44.3                     | 81.1 | 86.4 | 89.9 | 94.2 | 94.7 | 96.6 | 97.1 | 97.3 | 97.9 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 98.4 |
| IV 300          | 44.3                     | 81.1 | 86.4 | 89.9 | 94.2 | 94.8 | 97.0 | 97.4 | 97.7 | 98.3 | 98.3 | 98.3 | 98.3 | 98.9 | 98.9 | 99.1 |
| IV 200          | 44.3                     | 81.1 | 86.4 | 89.9 | 94.2 | 94.8 | 97.0 | 97.4 | 97.7 | 98.3 | 98.3 | 98.3 | 98.3 | 98.9 | 98.9 | 99.3 |
| IV 100          | 44.3                     | 81.1 | 86.4 | 89.9 | 94.2 | 94.8 | 97.0 | 97.4 | 97.7 | 98.3 | 98.3 | 98.3 | 98.3 | 98.9 | 98.9 | 99.3 |
| IV 0            | 44.4                     | 81.2 | 86.6 | 90.0 | 94.3 | 94.9 | 97.1 | 97.6 | 97.8 | 98.4 | 98.4 | 98.4 | 98.4 | 99.0 | 99.0 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

48-57

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |        |      |       |      |       |       |      |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|--------|------|-------|------|-------|-------|------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1.25 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .16 | ≥ .1 | ≥ 0   |
| NO CEILING      | 25.8                       | 39.6 | 43.4 | 47.0 | 49.6 | 50.1  | 52.0 | 52.7  | 52.9   | 54.0 | 54.4  | 54.4 | 54.8  | 54.8  | 55.1 | 55.9  |
| ≥ 20000         | 27.6                       | 41.9 | 46.0 | 50.1 | 52.7 | 53.3  | 55.2 | 55.9  | 56.1   | 57.3 | 57.8  | 57.8 | 58.2  | 58.2  | 58.6 | 59.3  |
| IV 18000        | 27.6                       | 42.0 | 46.1 | 50.2 | 52.8 | 53.4  | 55.3 | 56.0  | 56.2   | 57.4 | 57.9  | 57.9 | 58.3  | 58.3  | 58.7 | 59.4  |
| IV 16000        | 27.4                       | 42.2 | 46.3 | 50.4 | 53.0 | 53.7  | 55.6 | 56.2  | 56.4   | 57.7 | 58.1  | 58.1 | 58.6  | 58.6  | 58.9 | 59.7  |
| IV 14000        | 27.9                       | 42.8 | 46.9 | 51.0 | 53.6 | 54.2  | 56.1 | 56.8  | 57.0   | 58.2 | 58.7  | 58.7 | 59.1  | 59.1  | 59.4 | 60.2  |
| IV 12000        | 29.0                       | 46.0 | 50.2 | 54.3 | 57.0 | 57.7  | 59.6 | 60.2  | 60.4   | 61.7 | 62.2  | 62.3 | 62.8  | 62.8  | 63.1 | 63.9  |
| IV 10000        | 29.7                       | 48.2 | 52.6 | 56.8 | 59.7 | 60.6  | 62.4 | 63.1  | 63.3   | 64.6 | 65.1  | 65.2 | 65.9  | 65.9  | 66.2 | 67.0  |
| IV 9000         | 30.1                       | 49.0 | 53.3 | 57.6 | 60.8 | 61.3  | 63.2 | 63.9  | 64.1   | 65.3 | 65.9  | 66.0 | 66.7  | 66.7  | 67.0 | 67.8  |
| IV 8000         | 30.2                       | 50.2 | 54.6 | 59.2 | 62.3 | 63.2  | 65.2 | 65.9  | 66.1   | 67.3 | 67.9  | 68.0 | 68.7  | 68.7  | 69.0 | 69.8  |
| IV 7000         | 31.1                       | 52.1 | 56.6 | 61.2 | 64.8 | 65.3  | 67.3 | 68.1  | 68.3   | 69.6 | 70.1  | 70.2 | 70.9  | 70.9  | 71.2 | 72.0  |
| IV 6000         | 31.6                       | 54.3 | 58.8 | 63.4 | 66.7 | 67.6  | 69.6 | 70.4  | 70.7   | 71.9 | 72.4  | 72.6 | 73.2  | 73.2  | 73.6 | 74.3  |
| IV 5000         | 32.0                       | 54.9 | 59.3 | 64.1 | 67.3 | 68.3  | 70.3 | 71.2  | 71.4   | 72.7 | 73.2  | 73.3 | 74.0  | 74.0  | 74.3 | 75.1  |
| IV 4500         | 32.0                       | 55.1 | 59.7 | 64.4 | 67.7 | 68.7  | 70.7 | 71.6  | 71.8   | 73.0 | 73.6  | 73.7 | 74.3  | 74.3  | 74.7 | 75.4  |
| IV 4000         | 32.3                       | 56.8 | 61.9 | 66.4 | 69.9 | 70.9  | 72.9 | 74.0  | 74.2   | 75.4 | 76.0  | 76.1 | 76.8  | 76.8  | 77.1 | 77.9  |
| IV 3500         | 32.3                       | 57.1 | 61.8 | 66.9 | 70.3 | 71.3  | 73.3 | 74.7  | 74.9   | 76.1 | 76.7  | 76.8 | 77.4  | 77.4  | 77.8 | 78.6  |
| IV 3000         | 32.3                       | 57.8 | 62.6 | 67.8 | 71.3 | 72.3  | 74.3 | 75.7  | 75.9   | 77.1 | 77.7  | 77.8 | 78.4  | 78.4  | 78.8 | 79.6  |
| IV 2500         | 32.7                       | 59.3 | 64.1 | 69.4 | 73.1 | 74.2  | 76.3 | 77.7  | 77.9   | 79.1 | 79.7  | 79.8 | 80.4  | 80.4  | 80.8 | 81.6  |
| IV 2000         | 32.9                       | 60.4 | 65.6 | 71.1 | 75.1 | 76.2  | 78.3 | 79.7  | 79.9   | 81.1 | 81.7  | 81.8 | 82.4  | 82.4  | 82.8 | 83.6  |
| IV 1800         | 32.9                       | 60.7 | 65.8 | 71.3 | 75.3 | 76.4  | 78.6 | 79.9  | 80.1   | 81.3 | 81.9  | 82.0 | 82.7  | 82.7  | 83.0 | 83.8  |
| IV 1500         | 33.3                       | 62.7 | 68.2 | 74.1 | 78.2 | 79.3  | 81.4 | 82.8  | 83.0   | 84.2 | 84.8  | 84.9 | 85.6  | 85.6  | 85.9 | 86.7  |
| IV 1200         | 33.9                       | 64.3 | 70.7 | 76.7 | 80.9 | 82.3  | 84.4 | 85.8  | 86.0   | 87.2 | 87.8  | 87.9 | 88.6  | 88.6  | 88.9 | 89.7  |
| IV 1000         | 34.1                       | 65.0 | 71.7 | 78.2 | 82.6 | 84.1  | 86.2 | 87.6  | 87.8   | 89.0 | 89.6  | 89.9 | 90.6  | 90.6  | 90.9 | 91.7  |
| IV 900          | 34.1                       | 65.3 | 72.0 | 78.6 | 82.9 | 84.7  | 86.8 | 88.2  | 88.4   | 89.7 | 90.2  | 90.6 | 91.2  | 91.2  | 91.6 | 92.3  |
| IV 800          | 34.1                       | 65.9 | 72.7 | 79.6 | 83.9 | 85.7  | 88.0 | 89.4  | 89.8   | 91.1 | 91.7  | 92.0 | 92.8  | 92.8  | 93.1 | 93.9  |
| IV 700          | 34.2                       | 66.0 | 73.0 | 80.0 | 84.6 | 86.4  | 88.8 | 90.2  | 90.6   | 91.9 | 92.4  | 92.8 | 93.6  | 93.6  | 93.9 | 94.7  |
| IV 600          | 34.2                       | 66.3 | 73.3 | 80.4 | 85.1 | 87.1  | 89.5 | 91.0  | 91.3   | 92.7 | 93.2  | 93.6 | 94.3  | 94.3  | 94.7 | 95.4  |
| IV 500          | 34.2                       | 66.3 | 73.3 | 80.6 | 85.3 | 87.3  | 89.9 | 91.7  | 92.0   | 93.7 | 94.2  | 94.6 | 95.4  | 95.6  | 95.9 | 96.7  |
| IV 400          | 34.2                       | 66.3 | 73.3 | 80.6 | 85.4 | 87.4  | 90.2 | 92.0  | 92.3   | 94.0 | 94.6  | 94.9 | 95.9  | 96.0  | 96.3 | 97.1  |
| IV 300          | 34.2                       | 66.3 | 73.3 | 80.6 | 85.4 | 87.7  | 90.6 | 92.4  | 92.8   | 94.4 | 95.0  | 95.3 | 96.4  | 96.6  | 96.9 | 97.7  |
| IV 200          | 34.2                       | 66.3 | 73.3 | 80.6 | 85.4 | 87.7  | 90.8 | 92.8  | 93.2   | 94.9 | 95.6  | 95.9 | 97.2  | 97.3  | 97.9 | 98.7  |
| IV 100          | 34.2                       | 66.3 | 73.3 | 80.6 | 85.4 | 87.7  | 90.8 | 92.8  | 93.2   | 94.9 | 95.7  | 96.0 | 97.4  | 97.7  | 98.3 | 99.6  |
| IV 0            | 34.2                       | 66.3 | 73.3 | 80.6 | 85.4 | 87.7  | 90.8 | 92.8  | 93.2   | 94.9 | 95.7  | 96.0 | 97.4  | 97.7  | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057

PHILLIPS/ABERDEEN MD

48-57

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

| CEILING<br>FEET: | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|------------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                  | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1.4 | ≥1   | ≥.4  | ≥.4  | ≥.3  | ≥.25 | ≥.2  | ≥0    |
| NO CEILING       | 26.7                     | 41.3 | 43.8 | 46.3 | 49.1 | 49.4 | 50.1 | 50.6 | 50.7 | 51.1 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4  |
| ≥ 20000          | 28.6                     | 45.0 | 47.7 | 50.4 | 53.4 | 54.0 | 54.8 | 55.2 | 55.3 | 55.8 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1  |
| ≥ 18000          | 28.7                     | 45.1 | 47.8 | 50.6 | 53.6 | 54.1 | 54.9 | 55.3 | 55.4 | 55.9 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2  |
| ≥ 16000          | 28.7                     | 45.1 | 47.8 | 50.6 | 53.6 | 54.1 | 54.9 | 55.3 | 55.4 | 55.9 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2  |
| ≥ 14000          | 29.3                     | 46.3 | 49.0 | 51.8 | 54.8 | 55.3 | 56.1 | 56.6 | 56.7 | 57.1 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4  |
| ≥ 12000          | 30.9                     | 48.9 | 51.8 | 54.7 | 57.7 | 58.3 | 59.2 | 59.7 | 59.8 | 60.2 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6  |
| ≥ 10000          | 33.2                     | 52.8 | 56.1 | 59.0 | 62.0 | 62.8 | 63.7 | 64.2 | 64.3 | 64.8 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1  |
| ≥ 9000           | 33.9                     | 53.8 | 57.1 | 60.0 | 63.0 | 63.8 | 64.7 | 65.2 | 65.3 | 65.8 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1  |
| ≥ 8000           | 34.0                     | 54.7 | 58.1 | 61.4 | 64.4 | 65.2 | 66.1 | 66.7 | 66.8 | 67.2 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  |
| ≥ 7000           | 34.8                     | 55.7 | 59.4 | 63.0 | 66.0 | 67.0 | 68.0 | 68.6 | 68.7 | 69.1 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4  |
| ≥ 6000           | 36.0                     | 57.7 | 61.4 | 65.0 | 68.1 | 69.1 | 70.1 | 70.7 | 70.8 | 71.2 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6  |
| ≥ 5000           | 36.2                     | 58.2 | 62.1 | 65.7 | 68.9 | 70.0 | 71.0 | 71.6 | 71.7 | 72.1 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4  |
| ≥ 4500           | 36.7                     | 58.9 | 62.9 | 66.4 | 69.7 | 70.8 | 71.8 | 72.3 | 72.4 | 72.9 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2  |
| ≥ 4000           | 36.9                     | 59.8 | 63.8 | 67.3 | 70.6 | 71.8 | 72.8 | 73.3 | 73.4 | 73.9 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2  |
| ≥ 3500           | 37.3                     | 60.6 | 64.7 | 68.2 | 71.4 | 72.7 | 73.7 | 74.2 | 74.3 | 74.8 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1  |
| ≥ 3000           | 37.9                     | 62.1 | 66.2 | 69.8 | 73.0 | 74.3 | 75.3 | 75.9 | 76.0 | 76.4 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8  |
| ≥ 2500           | 38.2                     | 62.8 | 66.9 | 70.9 | 74.3 | 75.8 | 76.9 | 77.4 | 77.6 | 78.0 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3  |
| ≥ 2000           | 38.6                     | 64.1 | 68.4 | 72.6 | 76.2 | 77.7 | 78.9 | 79.6 | 79.7 | 80.3 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7  |
| ≥ 1800           | 38.7                     | 64.2 | 68.6 | 72.7 | 76.3 | 77.8 | 79.0 | 79.7 | 79.8 | 80.4 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8  |
| ≥ 1500           | 39.2                     | 66.6 | 70.9 | 75.2 | 79.1 | 80.6 | 81.8 | 82.4 | 82.6 | 83.2 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6  |
| ≥ 1200           | 40.3                     | 68.6 | 73.4 | 78.4 | 82.7 | 84.2 | 85.4 | 86.2 | 86.3 | 87.0 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3  |
| ≥ 1000           | 40.9                     | 70.0 | 75.4 | 80.6 | 84.9 | 86.7 | 88.1 | 89.1 | 89.2 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4  |
| ≥ 900            | 40.9                     | 70.4 | 75.9 | 81.0 | 85.4 | 87.3 | 88.8 | 89.8 | 89.9 | 90.8 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1  |
| ≥ 800            | 41.1                     | 70.9 | 76.3 | 81.4 | 86.1 | 88.2 | 89.9 | 91.0 | 91.1 | 92.1 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4  |
| ≥ 700            | 41.1                     | 71.7 | 77.2 | 82.4 | 87.3 | 89.4 | 91.2 | 92.3 | 92.4 | 93.6 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9  |
| ≥ 600            | 41.1                     | 71.9 | 77.4 | 82.7 | 88.0 | 90.3 | 92.4 | 93.9 | 94.2 | 95.3 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7  |
| ≥ 500            | 41.1                     | 72.0 | 77.6 | 83.1 | 88.8 | 91.3 | 93.4 | 95.2 | 95.6 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6  |
| ≥ 400            | 41.1                     | 72.1 | 77.7 | 83.2 | 89.0 | 92.0 | 94.1 | 95.9 | 96.2 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4  |
| ≥ 300            | 41.1                     | 72.1 | 77.7 | 83.2 | 89.1 | 92.1 | 94.2 | 96.1 | 96.4 | 98.3 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0  |
| ≥ 200            | 41.1                     | 72.1 | 77.7 | 83.2 | 89.2 | 92.3 | 94.4 | 96.3 | 96.7 | 98.6 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3  |
| ≥ 100            | 41.1                     | 72.1 | 77.7 | 83.2 | 89.2 | 92.3 | 94.4 | 96.3 | 96.7 | 98.6 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.6  |
| ≥ 0              | 41.1                     | 72.1 | 77.7 | 83.2 | 89.2 | 92.3 | 94.4 | 96.3 | 96.7 | 98.6 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

48-57

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3900-1100

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |        |        |       |        |         |        |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|--------|--------|-------|--------|---------|--------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ 0.5 | ≥ 0.25 | ≥ 0.15 | ≥ 0.1 | ≥ 0.05 | ≥ 0.025 | ≥ 0.01 |
| NO CEILING      | 36.6                     | 48.0 | 50.2 | 51.6 | 52.6 | 52.7  | 52.8 | 52.9  | 52.9 | 52.9  | 52.9   | 52.9   | 52.9  | 52.9   | 52.9    | 52.9   |
| ≥ 20000         | 40.2                     | 52.9 | 55.1 | 56.6 | 57.4 | 57.6  | 57.7 | 57.8  | 57.8 | 57.8  | 57.8   | 57.8   | 57.8  | 57.8   | 57.8    | 57.8   |
| ≥ 18000         | 40.2                     | 53.0 | 55.2 | 56.6 | 57.6 | 57.7  | 57.8 | 57.9  | 57.9 | 57.9  | 57.9   | 57.9   | 57.9  | 57.9   | 57.9    | 57.9   |
| ≥ 16000         | 40.3                     | 53.1 | 55.3 | 56.7 | 57.7 | 57.8  | 57.9 | 58.0  | 58.0 | 58.0  | 58.0   | 58.0   | 58.0  | 58.0   | 58.0    | 58.0   |
| ≥ 14000         | 41.2                     | 54.2 | 56.4 | 57.8 | 58.8 | 58.9  | 59.0 | 59.1  | 59.1 | 59.1  | 59.1   | 59.1   | 59.1  | 59.1   | 59.1    | 59.1   |
| ≥ 12000         | 42.3                     | 56.7 | 59.0 | 60.3 | 61.3 | 61.4  | 61.6 | 61.7  | 61.7 | 61.7  | 61.7   | 61.7   | 61.7  | 61.7   | 61.7    | 61.7   |
| ≥ 10000         | 44.4                     | 59.6 | 62.0 | 63.4 | 64.4 | 64.6  | 64.8 | 64.9  | 64.9 | 64.9  | 64.9   | 64.9   | 64.9  | 64.9   | 64.9    | 64.9   |
| ≥ 9000          | 44.6                     | 59.9 | 62.4 | 63.9 | 64.9 | 65.0  | 65.1 | 65.2  | 65.2 | 65.2  | 65.2   | 65.2   | 65.2  | 65.2   | 65.2    | 65.2   |
| ≥ 8000          | 45.3                     | 61.4 | 64.1 | 65.8 | 66.9 | 67.0  | 67.1 | 67.2  | 67.2 | 67.2  | 67.2   | 67.2   | 67.2  | 67.2   | 67.2    | 67.2   |
| ≥ 7000          | 45.7                     | 62.1 | 64.9 | 66.6 | 67.7 | 67.8  | 67.9 | 68.0  | 68.0 | 68.0  | 68.0   | 68.0   | 68.0  | 68.0   | 68.0    | 68.0   |
| ≥ 6000          | 46.7                     | 63.4 | 66.4 | 68.1 | 69.3 | 69.4  | 69.5 | 69.6  | 69.6 | 69.6  | 69.6   | 69.6   | 69.6  | 69.6   | 69.6    | 69.6   |
| ≥ 5000          | 47.4                     | 65.1 | 68.2 | 69.9 | 71.1 | 71.2  | 71.3 | 71.4  | 71.4 | 71.4  | 71.4   | 71.4   | 71.4  | 71.4   | 71.4    | 71.4   |
| ≥ 4500          | 48.4                     | 66.7 | 69.8 | 71.4 | 72.7 | 72.8  | 72.9 | 73.0  | 73.0 | 73.0  | 73.0   | 73.0   | 73.0  | 73.0   | 73.0    | 73.0   |
| ≥ 4000          | 50.0                     | 68.9 | 72.2 | 74.0 | 75.2 | 75.3  | 75.4 | 75.5  | 75.5 | 75.5  | 75.5   | 75.5   | 75.5  | 75.5   | 75.5    | 75.5   |
| ≥ 3500          | 50.3                     | 69.7 | 73.0 | 75.0 | 76.2 | 76.3  | 76.4 | 76.5  | 76.5 | 76.5  | 76.5   | 76.5   | 76.5  | 76.5   | 76.5    | 76.5   |
| ≥ 3000          | 52.6                     | 72.7 | 76.2 | 78.2 | 79.6 | 79.7  | 79.8 | 79.9  | 80.0 | 80.0  | 80.0   | 80.0   | 80.0  | 80.0   | 80.0    | 80.0   |
| ≥ 2500          | 53.6                     | 73.9 | 77.4 | 79.9 | 81.2 | 81.4  | 81.5 | 81.6  | 81.7 | 81.7  | 81.7   | 81.7   | 81.7  | 81.7   | 81.7    | 81.7   |
| ≥ 2000          | 55.0                     | 76.6 | 80.3 | 83.0 | 84.3 | 84.6  | 84.7 | 84.8  | 84.9 | 84.9  | 84.9   | 84.9   | 84.9  | 84.9   | 84.9    | 84.9   |
| ≥ 1800          | 55.4                     | 77.1 | 80.9 | 83.6 | 84.9 | 85.1  | 85.2 | 85.3  | 85.4 | 85.4  | 85.4   | 85.4   | 85.4  | 85.4   | 85.4    | 85.4   |
| ≥ 1500          | 56.7                     | 80.0 | 84.0 | 86.7 | 88.0 | 88.4  | 88.5 | 88.6  | 88.7 | 88.7  | 88.7   | 88.7   | 88.7  | 88.7   | 88.7    | 88.7   |
| ≥ 1200          | 56.9                     | 82.4 | 86.7 | 89.3 | 90.8 | 91.2  | 91.3 | 91.4  | 91.5 | 91.5  | 91.5   | 91.5   | 91.5  | 91.5   | 91.5    | 91.5   |
| ≥ 1000          | 56.9                     | 84.1 | 88.6 | 91.4 | 92.9 | 93.4  | 93.5 | 93.6  | 93.7 | 93.7  | 93.7   | 93.7   | 93.7  | 93.7   | 93.7    | 93.7   |
| ≥ 900           | 56.9                     | 84.1 | 88.7 | 91.6 | 93.2 | 93.8  | 94.9 | 95.2  | 95.2 | 95.2  | 95.2   | 95.2   | 95.2  | 95.2   | 95.2    | 95.2   |
| ≥ 800           | 57.0                     | 84.3 | 89.0 | 92.1 | 93.9 | 94.6  | 95.7 | 96.0  | 96.0 | 96.0  | 96.0   | 96.0   | 96.0  | 96.0   | 96.0    | 96.0   |
| ≥ 700           | 57.1                     | 84.9 | 89.8 | 92.9 | 94.8 | 95.8  | 97.2 | 97.6  | 97.6 | 97.6  | 97.6   | 97.6   | 97.6  | 97.6   | 97.6    | 97.6   |
| ≥ 600           | 57.1                     | 84.9 | 89.9 | 93.0 | 94.9 | 95.9  | 97.4 | 97.8  | 97.8 | 97.8  | 97.8   | 97.8   | 97.8  | 97.8   | 97.8    | 97.8   |
| ≥ 500           | 57.1                     | 84.9 | 90.0 | 93.1 | 95.1 | 96.3  | 98.1 | 98.6  | 98.7 | 98.7  | 98.7   | 98.7   | 98.7  | 98.7   | 98.7    | 98.7   |
| ≥ 400           | 57.1                     | 84.9 | 90.0 | 93.2 | 95.3 | 96.6  | 98.3 | 98.8  | 98.9 | 98.9  | 98.9   | 98.9   | 98.9  | 98.9   | 98.9    | 98.9   |
| ≥ 300           | 57.1                     | 84.9 | 90.0 | 93.2 | 95.3 | 96.6  | 98.4 | 98.9  | 99.0 | 99.0  | 99.0   | 99.0   | 99.0  | 99.0   | 99.0    | 99.0   |
| ≥ 200           | 57.1                     | 84.9 | 90.0 | 93.2 | 95.3 | 96.6  | 98.4 | 98.9  | 99.0 | 99.0  | 99.0   | 99.0   | 99.0  | 99.0   | 99.0    | 99.0   |
| ≥ 100           | 57.1                     | 84.9 | 90.0 | 93.2 | 95.3 | 96.6  | 98.4 | 98.9  | 99.0 | 99.0  | 99.0   | 99.0   | 99.0  | 99.0   | 99.0    | 99.0   |
| ≥ 0             | 57.1                     | 84.9 | 90.0 | 93.2 | 95.3 | 96.6  | 98.4 | 98.9  | 99.0 | 99.0  | 99.0   | 99.0   | 99.0  | 99.0   | 99.0    | 99.0   |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
TIME

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |      |      |      |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .03 | ≥ .01 |
| NO CEILING      | 37.0                     | 47.9 | 49.0 | 49.8 | 50.0 | 50.0  | 50.0 | 50.0  | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0  | 50.0  | 50.0  |
| ≥ 20000         | 43.4                     | 55.4 | 56.8 | 57.6 | 57.9 | 57.9  | 57.9 | 57.9  | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9  | 57.9  | 57.9  |
| IV 18000        | 44.0                     | 56.2 | 57.7 | 58.4 | 58.8 | 58.8  | 58.8 | 58.8  | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8  | 58.8  | 58.8  |
| IV 16000        | 44.0                     | 56.2 | 57.7 | 58.4 | 58.8 | 58.8  | 58.8 | 58.8  | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8  | 58.8  | 58.8  |
| IV 14000        | 45.0                     | 57.4 | 58.9 | 59.7 | 60.0 | 60.0  | 60.0 | 60.0  | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0  | 60.0  | 60.0  |
| IV 12000        | 46.7                     | 60.0 | 61.6 | 62.6 | 62.9 | 62.9  | 62.9 | 62.9  | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9  | 62.9  | 62.9  |
| IV 10000        | 49.0                     | 64.7 | 66.2 | 67.2 | 67.6 | 67.6  | 67.6 | 67.6  | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6  | 67.6  | 67.6  |
| IV 9000         | 49.9                     | 65.9 | 67.4 | 68.4 | 68.8 | 68.8  | 68.8 | 68.8  | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8  | 68.8  | 68.8  |
| IV 8000         | 50.8                     | 67.6 | 69.3 | 70.4 | 70.9 | 70.9  | 70.9 | 70.9  | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  | 70.9  | 70.9  |
| IV 7000         | 51.4                     | 68.3 | 70.1 | 71.2 | 71.8 | 71.8  | 71.8 | 71.8  | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8  | 71.8  | 71.8  |
| IV 6000         | 52.9                     | 69.8 | 71.8 | 73.0 | 73.7 | 73.7  | 73.7 | 73.7  | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7  | 73.7  | 73.7  |
| IV 5000         | 54.9                     | 71.9 | 73.9 | 75.1 | 75.8 | 75.8  | 75.8 | 75.8  | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8  | 75.8  | 75.8  |
| IV 4500         | 56.6                     | 73.8 | 75.9 | 77.1 | 77.8 | 77.8  | 77.8 | 77.8  | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8  | 77.8  | 77.8  |
| IV 4000         | 59.1                     | 77.4 | 79.8 | 81.2 | 81.9 | 81.9  | 82.0 | 82.0  | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0  | 82.0  | 82.0  |
| IV 3500         | 60.1                     | 78.9 | 81.2 | 82.7 | 83.3 | 83.3  | 83.6 | 83.6  | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6  | 83.6  | 83.6  |
| IV 3000         | 62.1                     | 82.8 | 85.1 | 86.6 | 87.2 | 87.2  | 87.4 | 87.4  | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4  | 87.4  | 87.4  |
| IV 2500         | 62.6                     | 84.2 | 86.7 | 88.1 | 88.8 | 88.8  | 89.0 | 89.0  | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0  | 89.0  | 89.0  |
| IV 2000         | 63.3                     | 85.7 | 88.2 | 89.9 | 90.7 | 90.8  | 91.0 | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  | 91.0  |
| IV 1800         | 63.4                     | 86.7 | 89.2 | 90.9 | 91.8 | 91.9  | 92.1 | 92.1  | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1  | 92.1  | 92.1  |
| IV 1500         | 64.2                     | 88.4 | 91.0 | 92.8 | 93.7 | 93.8  | 94.0 | 94.0  | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0  | 94.0  |
| IV 1200         | 64.4                     | 89.3 | 92.3 | 94.1 | 95.1 | 95.3  | 95.7 | 95.7  | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7  | 95.7  | 95.7  |
| IV 1000         | 64.4                     | 90.0 | 93.2 | 95.0 | 96.1 | 96.4  | 96.9 | 96.9  | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9  | 96.9  | 96.9  |
| IV 900          | 64.4                     | 90.1 | 93.4 | 95.2 | 96.6 | 96.9  | 97.3 | 97.3  | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3  | 97.3  | 97.3  |
| IV 800          | 64.6                     | 90.4 | 94.1 | 95.9 | 97.3 | 97.7  | 98.1 | 98.1  | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2  | 98.2  | 98.2  |
| IV 700          | 64.7                     | 90.6 | 94.2 | 96.1 | 97.9 | 98.6  | 99.0 | 99.0  | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1  | 99.1  |
| IV 600          | 64.7                     | 90.6 | 94.3 | 96.2 | 98.0 | 98.7  | 99.1 | 99.4  | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7  | 99.7  |
| IV 500          | 64.7                     | 90.6 | 94.3 | 96.2 | 98.0 | 98.7  | 99.1 | 99.4  | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  |
| IV 400          | 64.7                     | 90.6 | 94.3 | 96.3 | 98.1 | 98.8  | 99.2 | 99.6  | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| IV 300          | 64.7                     | 90.6 | 94.3 | 96.3 | 98.1 | 98.8  | 99.2 | 99.6  | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| IV 200          | 64.7                     | 90.6 | 94.3 | 96.3 | 98.1 | 98.8  | 99.2 | 99.6  | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| IV 100          | 64.7                     | 90.6 | 94.3 | 96.3 | 98.1 | 98.8  | 99.2 | 99.6  | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| IV 0            | 64.7                     | 90.6 | 94.3 | 96.3 | 98.1 | 98.8  | 99.2 | 99.6  | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

98-57

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1.4 | ≥1   | ≥.9   | ≥.8   | ≥.7   | ≥.6   | ≥.5   | ≥.4   |
| NO CEILING      | 42.8                     | 52.8 | 53.6 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  |
| ≥ 20000         | 49.0                     | 60.6 | 61.3 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  |
| IN 18000        | 49.9                     | 61.4 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3  | 62.3  | 62.3  | 62.3  | 62.3  | 62.3  |
| IN 16000        | 50.0                     | 61.6 | 62.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4  | 62.4  | 62.4  | 62.4  | 62.4  | 62.4  |
| IN 14000        | 51.2                     | 63.0 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9  | 63.9  | 63.9  | 63.9  | 63.9  | 63.9  |
| IN 12000        | 53.3                     | 66.3 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  | 67.9  |
| IN 10000        | 55.7                     | 70.7 | 72.0 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  | 72.2  |
| IN 9000         | 56.6                     | 71.8 | 73.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4  | 73.4  | 73.4  | 73.4  | 73.4  | 73.4  |
| IN 8000         | 57.3                     | 72.8 | 74.3 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7  | 74.7  | 74.7  | 74.7  | 74.7  | 74.7  |
| IN 7000         | 58.2                     | 74.1 | 75.8 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  | 76.2  |
| IN 6000         | 59.2                     | 75.3 | 77.0 | 77.6 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8  | 77.8  | 77.8  | 77.8  | 77.8  | 77.8  |
| IN 5000         | 61.3                     | 78.1 | 79.8 | 80.8 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  |
| IN 4500         | 62.1                     | 79.4 | 81.1 | 82.1 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  |
| IN 4000         | 63.4                     | 82.2 | 84.1 | 85.2 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6  | 85.6  | 85.6  | 85.6  | 85.6  | 85.6  |
| IN 3500         | 63.9                     | 83.1 | 85.7 | 86.1 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4  | 86.4  | 86.4  | 86.4  | 86.4  | 86.4  |
| IN 3000         | 65.1                     | 85.1 | 87.0 | 88.2 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  | 88.7  |
| IN 2500         | 66.6                     | 87.6 | 89.4 | 90.9 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  |
| IN 2000         | 67.1                     | 89.4 | 91.6 | 93.1 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8  | 93.8  | 93.8  | 93.8  | 93.8  | 93.8  |
| IN 1800         | 67.3                     | 90.2 | 92.3 | 93.9 | 94.6 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  |
| IN 1500         | 67.7                     | 90.8 | 93.0 | 94.6 | 95.3 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8  | 95.8  | 95.8  | 95.8  | 95.8  | 95.8  |
| IN 1200         | 67.7                     | 91.0 | 93.4 | 95.1 | 95.9 | 96.0 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  |
| IN 1000         | 67.7                     | 91.8 | 94.7 | 96.6 | 97.3 | 97.7 | 98.0 | 98.0 | 98.1 | 98.2 | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| IN 900          | 67.7                     | 91.8 | 94.7 | 96.6 | 97.3 | 97.7 | 98.1 | 98.1 | 98.2 | 98.3 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| IN 800          | 67.7                     | 91.9 | 94.8 | 96.7 | 97.6 | 97.9 | 98.3 | 98.3 | 98.4 | 98.6 | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  |
| IN 700          | 67.7                     | 91.9 | 94.8 | 96.7 | 97.6 | 98.0 | 98.4 | 98.7 | 98.8 | 98.9 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| IN 600          | 67.7                     | 91.9 | 94.8 | 96.7 | 97.6 | 98.0 | 99.1 | 99.3 | 99.4 | 99.6 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| IN 500          | 67.8                     | 92.0 | 94.9 | 96.8 | 97.7 | 98.1 | 99.2 | 99.4 | 99.6 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| IN 400          | 67.8                     | 92.1 | 95.0 | 96.9 | 97.8 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 300          | 67.8                     | 92.1 | 95.0 | 96.9 | 97.8 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 200          | 67.8                     | 92.1 | 95.0 | 96.9 | 97.8 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 100          | 67.8                     | 92.1 | 95.0 | 96.9 | 97.8 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IN 0            | 67.8                     | 92.1 | 95.0 | 96.9 | 97.8 | 98.2 | 99.3 | 99.6 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0    |
| NO CEILING      | 44.4                     | 55.4 | 56.8 | 57.1 | 57.1 | 57.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2  | 57.2 | 57.2  | 57.2   | 57.2  | 57.2  |
| ≥ 20000         | 49.9                     | 62.3 | 63.7 | 64.1 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  | 64.2 | 64.2  | 64.2   | 64.2  | 64.2  |
| IV 18000        | 50.1                     | 62.6 | 63.9 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4  | 64.4 | 64.4  | 64.4   | 64.4  | 64.4  |
| IV 16000        | 50.1                     | 62.6 | 63.9 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4  | 64.4 | 64.4  | 64.4   | 64.4  | 64.4  |
| IV 14000        | 50.9                     | 64.0 | 65.3 | 65.8 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9  | 65.9 | 65.9  | 65.9   | 65.9  | 65.9  |
| IV 12000        | 53.1                     | 68.4 | 70.3 | 70.8 | 70.8 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0  | 71.0 | 71.0  | 71.0   | 71.0  | 71.0  |
| IV 10000        | 55.4                     | 72.7 | 74.7 | 75.1 | 75.1 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3  | 75.3 | 75.3  | 75.3   | 75.3  | 75.3  |
| IV 9000         | 57.1                     | 74.4 | 76.4 | 76.9 | 76.9 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1  | 77.1 | 77.1  | 77.1   | 77.1  | 77.1  |
| IV 8000         | 58.4                     | 76.7 | 78.7 | 79.2 | 79.2 | 79.3 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6  | 79.6 | 79.6  | 79.6   | 79.6  | 79.6  |
| IV 7000         | 59.7                     | 78.6 | 80.6 | 81.2 | 81.2 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6  | 81.6 | 81.6  | 81.6   | 81.6  | 81.6  |
| IV 6000         | 61.0                     | 80.1 | 82.1 | 82.8 | 82.8 | 82.9 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1  | 83.1 | 83.1  | 83.1   | 83.1  | 83.1  |
| IV 5000         | 61.7                     | 81.4 | 83.4 | 84.2 | 84.2 | 84.3 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6  | 84.6 | 84.6  | 84.6   | 84.6  | 84.6  |
| IV 4500         | 62.2                     | 82.4 | 84.7 | 85.6 | 85.7 | 85.8 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1  | 86.1 | 86.1  | 86.1   | 86.1  | 86.1  |
| IV 4000         | 62.6                     | 83.1 | 85.3 | 86.2 | 86.4 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9  | 86.9 | 86.9  | 86.9   | 86.9  | 86.9  |
| IV 3500         | 62.8                     | 84.0 | 86.2 | 87.1 | 87.4 | 87.6 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9  | 87.9 | 87.9  | 87.9   | 87.9  | 87.9  |
| IV 3000         | 63.1                     | 85.3 | 87.6 | 89.1 | 89.4 | 89.6 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9  | 89.9 | 89.9  | 89.9   | 89.9  | 89.9  |
| IV 2500         | 63.7                     | 86.2 | 88.7 | 90.4 | 90.8 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2  | 91.2 | 91.2  | 91.2   | 91.2  | 91.2  |
| IV 2000         | 64.7                     | 87.9 | 90.8 | 92.8 | 93.2 | 93.3 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7  | 93.7 | 93.7  | 93.7   | 93.7  | 93.7  |
| IV 1800         | 64.8                     | 88.2 | 91.1 | 93.1 | 93.6 | 93.7 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0 | 94.0  | 94.0   | 94.0  | 94.0  |
| IV 1500         | 65.0                     | 89.1 | 92.2 | 94.2 | 94.7 | 94.8 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1  | 95.1 | 95.1  | 95.1   | 95.1  | 95.1  |
| IV 1200         | 65.1                     | 90.0 | 93.2 | 95.3 | 95.9 | 96.0 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3  | 96.3 | 96.3  | 96.3   | 96.3  | 96.3  |
| IV 1000         | 65.2                     | 90.4 | 94.0 | 96.3 | 97.0 | 97.6 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1  | 98.1 | 98.1  | 98.1   | 98.1  | 98.1  |
| IV 900          | 65.2                     | 90.6 | 94.1 | 96.4 | 97.1 | 97.8 | 98.2 | 98.4 | 98.6 | 98.6 | 98.6  | 98.6 | 98.6  | 98.6   | 98.6  | 98.6  |
| IV 800          | 65.2                     | 90.7 | 94.2 | 96.6 | 97.2 | 97.9 | 98.3 | 98.6 | 98.7 | 98.7 | 98.7  | 98.7 | 98.7  | 98.7   | 98.7  | 98.7  |
| IV 700          | 65.2                     | 90.7 | 94.2 | 96.6 | 97.2 | 97.9 | 98.3 | 98.6 | 98.7 | 98.7 | 98.7  | 98.7 | 98.7  | 98.7   | 98.7  | 98.7  |
| IV 600          | 65.3                     | 90.9 | 94.4 | 96.8 | 97.4 | 98.1 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3  | 99.3 | 99.3  | 99.3   | 99.3  | 99.3  |
| IV 500          | 65.3                     | 90.9 | 94.4 | 96.8 | 97.4 | 98.1 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 400          | 65.3                     | 90.9 | 94.4 | 96.8 | 97.4 | 98.1 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 300          | 65.3                     | 90.9 | 94.4 | 96.8 | 97.4 | 98.1 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 200          | 65.3                     | 90.9 | 94.4 | 96.8 | 97.4 | 98.1 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9  | 99.9 | 99.9  | 99.9   | 99.9  | 99.9  |
| IV 100          | 65.3                     | 90.9 | 94.4 | 96.8 | 97.4 | 98.1 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9  | 99.9 | 100.0 | 100.0  | 100.0 | 100.0 |
| IV 0            | 65.3                     | 90.9 | 94.4 | 96.8 | 97.4 | 98.1 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9  | 99.9 | 100.0 | 100.0  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057

PHILLIPS/ABERDEEN MD

48-57

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |      |      |      |       |       |        |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|-------|-------|--------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .005 | ≥ 0   |
| NO CEILING      | 43.7                     | 67.7 | 62.2 | 63.8 | 64.6 | 64.6  | 64.8 | 64.9  | 64.9 | 65.0 | 65.7 | 65.0 | 65.0  | 65.0  | 65.0   | 65.1  |
| ≥ 20000         | 45.6                     | 63.8 | 65.3 | 67.7 | 67.8 | 67.8  | 68.0 | 68.1  | 68.1 | 68.2 | 68.2 | 68.2 | 68.2  | 68.2  | 68.2   | 68.3  |
| ≥ 18000         | 45.7                     | 63.9 | 65.4 | 67.1 | 67.9 | 67.9  | 68.1 | 68.2  | 68.2 | 68.3 | 68.3 | 68.3 | 68.3  | 68.3  | 68.3   | 68.4  |
| ≥ 16000         | 45.7                     | 63.9 | 65.4 | 67.1 | 67.9 | 67.9  | 68.1 | 68.2  | 68.2 | 68.3 | 68.3 | 68.3 | 68.3  | 68.3  | 68.3   | 68.4  |
| ≥ 14000         | 45.7                     | 64.3 | 66.1 | 67.8 | 68.6 | 68.6  | 68.8 | 68.9  | 68.9 | 69.0 | 69.0 | 69.0 | 69.0  | 69.0  | 69.0   | 69.1  |
| ≥ 12000         | 46.4                     | 67.3 | 69.3 | 71.2 | 72.0 | 72.1  | 72.8 | 72.6  | 72.6 | 72.7 | 72.7 | 72.7 | 72.7  | 72.7  | 72.7   | 72.8  |
| ≥ 10000         | 47.3                     | 69.8 | 71.9 | 73.8 | 74.6 | 74.7  | 75.0 | 75.1  | 75.1 | 75.2 | 75.2 | 75.2 | 75.2  | 75.2  | 75.2   | 75.3  |
| ≥ 9000          | 48.2                     | 70.9 | 73.0 | 74.9 | 75.7 | 75.8  | 76.1 | 76.2  | 76.2 | 76.3 | 76.3 | 76.3 | 76.3  | 76.3  | 76.3   | 76.4  |
| ≥ 8000          | 48.9                     | 73.2 | 75.4 | 77.3 | 78.1 | 78.2  | 78.7 | 78.8  | 78.8 | 78.9 | 78.9 | 78.9 | 78.9  | 78.9  | 78.9   | 79.0  |
| ≥ 7000          | 49.8                     | 74.9 | 77.2 | 79.2 | 80.0 | 80.1  | 80.6 | 80.7  | 80.7 | 80.8 | 80.8 | 80.8 | 80.8  | 80.8  | 80.8   | 80.9  |
| ≥ 6000          | 50.1                     | 76.3 | 78.8 | 80.8 | 81.6 | 81.7  | 82.1 | 82.2  | 82.2 | 82.3 | 82.3 | 82.3 | 82.3  | 82.3  | 82.3   | 82.4  |
| ≥ 5000          | 50.6                     | 77.6 | 80.0 | 82.0 | 82.8 | 82.9  | 83.3 | 83.8  | 83.8 | 83.8 | 83.6 | 83.6 | 83.6  | 83.6  | 83.6   | 83.7  |
| ≥ 4500          | 50.9                     | 78.6 | 81.0 | 83.2 | 84.0 | 84.1  | 84.6 | 84.8  | 84.8 | 84.9 | 84.9 | 84.9 | 84.9  | 84.9  | 84.9   | 85.0  |
| ≥ 4000          | 51.7                     | 80.9 | 83.3 | 86.1 | 87.0 | 87.1  | 87.6 | 87.9  | 87.9 | 88.0 | 88.0 | 88.0 | 88.0  | 88.0  | 88.0   | 88.1  |
| ≥ 3500          | 51.2                     | 81.6 | 84.0 | 86.8 | 87.7 | 87.8  | 88.2 | 88.6  | 88.6 | 88.7 | 88.7 | 88.7 | 88.7  | 88.7  | 88.7   | 88.8  |
| ≥ 3000          | 51.4                     | 82.7 | 85.1 | 87.9 | 88.8 | 88.9  | 89.4 | 89.8  | 89.8 | 89.9 | 89.9 | 89.9 | 89.9  | 89.9  | 89.9   | 90.0  |
| ≥ 2500          | 51.9                     | 83.6 | 86.1 | 88.9 | 89.8 | 89.9  | 90.6 | 90.9  | 90.9 | 91.0 | 91.0 | 91.0 | 91.0  | 91.0  | 91.0   | 91.1  |
| ≥ 2000          | 52.9                     | 85.2 | 87.9 | 90.8 | 91.7 | 91.8  | 92.4 | 92.8  | 92.8 | 92.9 | 92.9 | 92.9 | 92.9  | 92.9  | 92.9   | 93.0  |
| ≥ 1800          | 52.9                     | 85.4 | 88.1 | 91.0 | 91.9 | 92.0  | 92.7 | 93.0  | 93.0 | 93.1 | 93.1 | 93.1 | 93.1  | 93.1  | 93.1   | 93.2  |
| ≥ 1500          | 53.0                     | 86.1 | 88.8 | 91.7 | 92.6 | 92.7  | 93.3 | 93.7  | 93.7 | 93.9 | 93.9 | 93.9 | 93.9  | 93.9  | 93.9   | 94.0  |
| ≥ 1200          | 53.0                     | 86.4 | 89.2 | 92.2 | 93.1 | 93.2  | 93.9 | 94.2  | 94.2 | 94.4 | 94.4 | 94.4 | 94.4  | 94.4  | 94.4   | 94.6  |
| ≥ 1000          | 53.2                     | 87.2 | 90.1 | 93.2 | 94.3 | 94.4  | 95.2 | 95.6  | 95.6 | 95.8 | 95.8 | 95.8 | 95.8  | 95.8  | 95.8   | 95.9  |
| ≥ 900           | 53.4                     | 87.9 | 90.9 | 94.1 | 95.2 | 95.3  | 96.2 | 96.6  | 96.6 | 96.8 | 96.8 | 96.8 | 96.8  | 96.8  | 96.8   | 96.9  |
| ≥ 800           | 53.4                     | 88.2 | 91.2 | 94.4 | 95.6 | 95.7  | 96.6 | 96.9  | 96.9 | 97.1 | 97.1 | 97.1 | 97.1  | 97.1  | 97.1   | 97.2  |
| ≥ 700           | 53.4                     | 88.6 | 91.6 | 94.8 | 95.9 | 96.0  | 97.0 | 97.3  | 97.3 | 97.6 | 97.6 | 97.6 | 97.6  | 97.6  | 97.6   | 97.7  |
| ≥ 600           | 53.4                     | 88.7 | 91.8 | 95.3 | 96.6 | 96.9  | 97.9 | 98.2  | 98.2 | 98.4 | 98.6 | 98.6 | 98.7  | 98.7  | 98.7   | 98.8  |
| ≥ 500           | 53.4                     | 88.7 | 91.8 | 95.3 | 96.6 | 96.9  | 98.0 | 98.3  | 98.3 | 98.7 | 98.8 | 98.8 | 98.9  | 98.9  | 98.9   | 99.0  |
| ≥ 400           | 53.4                     | 88.8 | 91.9 | 95.6 | 96.9 | 97.2  | 98.3 | 98.7  | 98.7 | 99.1 | 99.2 | 99.2 | 99.3  | 99.3  | 99.3   | 99.4  |
| ≥ 300           | 53.4                     | 88.8 | 91.9 | 95.6 | 96.9 | 97.2  | 98.3 | 98.7  | 98.7 | 99.6 | 99.7 | 99.7 | 99.8  | 99.8  | 99.8   | 99.9  |
| ≥ 200           | 53.4                     | 88.8 | 91.9 | 95.6 | 96.9 | 97.2  | 98.3 | 98.7  | 98.7 | 99.6 | 99.7 | 99.7 | 99.9  | 99.9  | 99.9   | 100.0 |
| ≥ 100           | 53.4                     | 88.8 | 91.9 | 95.6 | 96.9 | 97.2  | 98.3 | 98.7  | 98.7 | 99.6 | 99.7 | 99.7 | 99.9  | 99.9  | 99.9   | 100.0 |
| ≥ 0             | 53.4                     | 88.8 | 91.9 | 95.6 | 96.9 | 97.2  | 98.3 | 98.7  | 98.7 | 99.6 | 99.7 | 99.7 | 99.9  | 99.9  | 99.9   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057

PHILLIPS/ABERDEEN MD

48-57

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 36.6                     | 50.1 | 52.0 | 53.5 | 54.7 | 54.8 | 55.3 | 55.5 | 55.6 | 55.8 | 55.9 | 55.9 | 56.0 | 56.0 | 56.0 | 56.2  |
| ≥ 20000         | 40.3                     | 55.0 | 57.0 | 58.6 | 59.8 | 60.0 | 60.5 | 60.7 | 60.8 | 61.0 | 61.1 | 61.1 | 61.2 | 61.2 | 61.3 | 61.4  |
| IV 18000        | 40.5                     | 55.3 | 57.3 | 58.9 | 60.1 | 60.3 | 60.8 | 61.0 | 61.1 | 61.3 | 61.4 | 61.4 | 61.5 | 61.5 | 61.6 | 61.7  |
| IV 16000        | 40.5                     | 55.3 | 57.3 | 59.0 | 60.2 | 60.4 | 60.9 | 61.1 | 61.1 | 61.4 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6 | 61.8  |
| IV 14000        | 41.2                     | 56.3 | 58.4 | 60.0 | 61.2 | 61.4 | 61.9 | 62.1 | 62.1 | 62.4 | 62.5 | 62.5 | 62.6 | 62.6 | 62.7 | 62.8  |
| IV 12000        | 42.6                     | 59.2 | 61.5 | 63.2 | 64.4 | 64.7 | 65.2 | 65.4 | 65.4 | 65.7 | 65.8 | 65.8 | 65.9 | 65.9 | 66.0 | 66.1  |
| IV 10000        | 44.2                     | 62.7 | 65.1 | 66.8 | 68.1 | 68.3 | 68.9 | 69.1 | 69.2 | 69.4 | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 | 69.9  |
| IV 9000         | 44.9                     | 63.8 | 66.2 | 68.0 | 69.2 | 69.5 | 70.1 | 70.3 | 70.3 | 70.6 | 70.7 | 70.7 | 70.8 | 70.8 | 70.9 | 71.0  |
| IV 8000         | 45.6                     | 65.3 | 67.9 | 69.8 | 71.2 | 71.4 | 72.1 | 72.3 | 72.3 | 72.6 | 72.7 | 72.7 | 72.8 | 72.8 | 72.9 | 73.0  |
| IV 7000         | 46.4                     | 66.6 | 69.3 | 71.3 | 72.7 | 73.0 | 73.7 | 73.8 | 73.9 | 74.2 | 74.3 | 74.3 | 74.4 | 74.4 | 74.5 | 74.6  |
| IV 6000         | 47.3                     | 68.3 | 71.1 | 73.1 | 74.6 | 74.9 | 75.5 | 75.8 | 75.8 | 76.1 | 76.2 | 76.2 | 76.3 | 76.3 | 76.4 | 76.5  |
| IV 5000         | 48.2                     | 69.8 | 72.5 | 74.7 | 76.1 | 76.4 | 77.1 | 77.3 | 77.4 | 77.7 | 77.8 | 77.8 | 77.9 | 77.9 | 78.0 | 78.1  |
| IV 4500         | 48.8                     | 70.8 | 73.6 | 75.8 | 77.3 | 77.6 | 78.3 | 78.6 | 78.6 | 78.9 | 79.0 | 79.0 | 79.1 | 79.1 | 79.2 | 79.3  |
| IV 4000         | 49.7                     | 72.8 | 75.8 | 78.1 | 79.7 | 80.0 | 80.8 | 81.1 | 81.1 | 81.4 | 81.5 | 81.5 | 81.6 | 81.6 | 81.7 | 81.8  |
| IV 3500         | 50.0                     | 73.5 | 76.5 | 78.9 | 80.5 | 80.9 | 81.6 | 81.9 | 82.0 | 82.3 | 82.4 | 82.4 | 82.5 | 82.5 | 82.6 | 82.7  |
| IV 3000         | 50.9                     | 75.4 | 78.5 | 81.0 | 82.6 | 83.0 | 83.8 | 84.1 | 84.1 | 84.4 | 84.5 | 84.5 | 84.6 | 84.6 | 84.7 | 84.8  |
| IV 2500         | 51.5                     | 76.6 | 79.8 | 82.5 | 84.2 | 84.6 | 85.4 | 85.7 | 85.8 | 86.1 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.5  |
| IV 2000         | 52.3                     | 78.3 | 81.8 | 84.6 | 86.4 | 86.9 | 87.8 | 88.1 | 88.1 | 88.4 | 88.5 | 88.6 | 88.7 | 88.7 | 88.7 | 88.8  |
| IV 1800         | 52.4                     | 78.7 | 82.2 | 85.1 | 86.9 | 87.3 | 88.2 | 88.5 | 88.6 | 88.9 | 89.0 | 89.0 | 89.1 | 89.1 | 89.2 | 89.3  |
| IV 1500         | 52.9                     | 80.3 | 83.9 | 86.8 | 88.7 | 89.2 | 90.1 | 90.4 | 90.5 | 90.8 | 90.9 | 90.9 | 91.0 | 91.0 | 91.1 | 91.2  |
| IV 1200         | 53.2                     | 81.4 | 85.3 | 88.4 | 90.4 | 90.9 | 91.8 | 92.2 | 92.2 | 92.5 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 93.0  |
| IV 1000         | 53.3                     | 82.3 | 86.5 | 89.8 | 92.0 | 92.7 | 93.7 | 94.1 | 94.2 | 94.5 | 94.7 | 94.7 | 94.8 | 94.8 | 94.9 | 95.0  |
| IV 900          | 53.4                     | 82.5 | 86.8 | 90.1 | 92.4 | 93.2 | 94.2 | 94.7 | 94.8 | 95.1 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.6  |
| IV 800          | 53.4                     | 82.8 | 87.2 | 90.6 | 93.0 | 93.8 | 94.9 | 95.3 | 95.5 | 95.9 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.4  |
| IV 700          | 53.5                     | 83.1 | 87.6 | 91.0 | 93.5 | 94.4 | 95.6 | 96.1 | 96.2 | 96.7 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.2  |
| IV 600          | 53.5                     | 83.3 | 87.8 | 91.3 | 93.9 | 94.9 | 96.3 | 96.9 | 97.1 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 97.9 | 98.0  |
| IV 500          | 53.5                     | 83.3 | 87.8 | 91.4 | 94.1 | 95.2 | 96.7 | 97.4 | 97.5 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8  |
| IV 400          | 53.5                     | 83.3 | 87.9 | 91.6 | 94.3 | 95.4 | 97.0 | 97.6 | 97.8 | 98.5 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.2  |
| IV 300          | 53.5                     | 83.3 | 87.9 | 91.6 | 94.3 | 95.4 | 97.1 | 97.8 | 97.9 | 98.8 | 98.9 | 99.0 | 99.2 | 99.3 | 99.3 | 99.5  |
| IV 200          | 53.5                     | 83.3 | 87.9 | 91.6 | 94.3 | 95.5 | 97.1 | 97.8 | 98.0 | 98.8 | 99.0 | 99.1 | 99.4 | 99.4 | 99.5 | 99.7  |
| IV 100          | 53.5                     | 83.3 | 87.9 | 91.6 | 94.3 | 95.5 | 97.1 | 97.8 | 98.0 | 98.8 | 99.0 | 99.1 | 99.4 | 99.5 | 99.6 | 99.8  |
| IV 0            | 53.5                     | 83.4 | 87.9 | 91.6 | 94.3 | 95.5 | 97.1 | 97.9 | 98.0 | 98.9 | 99.0 | 99.1 | 99.4 | 99.5 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

48-57

1941

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2000-0200

| CEILING<br>FEET      | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |        |
|----------------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
|                      | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO FILING<br>≥ 20000 | 32.7                     | 55.4 | 59.9 | 62.7 | 64.0 | 64.3 | 64.7 | 64.8 | 64.9 | 65.4 | 65.4  | 65.4 | 65.5  | 65.5   | 65.5  | 65.5   |
| ≥ 18000              | 34.7                     | 58.4 | 62.9 | 65.9 | 67.2 | 67.5 | 68.2 | 68.3 | 68.4 | 68.9 | 68.9  | 68.9 | 69.0  | 69.0   | 69.0  | 69.0   |
| ≥ 16000              | 34.7                     | 58.4 | 63.0 | 66.0 | 67.3 | 67.6 | 68.3 | 68.4 | 68.5 | 69.0 | 69.0  | 69.0 | 69.1  | 69.1   | 69.1  | 69.1   |
| ≥ 14000              | 34.7                     | 58.5 | 63.3 | 66.3 | 67.6 | 68.1 | 68.7 | 68.8 | 68.9 | 69.5 | 69.5  | 69.5 | 69.6  | 69.6   | 69.6  | 69.6   |
| ≥ 12000              | 35.3                     | 59.6 | 64.5 | 67.6 | 68.9 | 69.5 | 70.1 | 70.3 | 70.4 | 71.0 | 71.0  | 71.0 | 71.1  | 71.1   | 71.1  | 71.1   |
| ≥ 10000              | 36.7                     | 64.4 | 69.1 | 72.3 | 73.5 | 74.1 | 74.7 | 74.9 | 75.1 | 75.6 | 75.6  | 75.6 | 75.7  | 75.7   | 75.7  | 75.7   |
| ≥ 9000               | 36.0                     | 68.1 | 73.7 | 76.9 | 78.3 | 78.8 | 79.5 | 79.7 | 79.8 | 80.5 | 80.5  | 80.5 | 80.6  | 80.6   | 80.6  | 80.6   |
| ≥ 8000               | 38.2                     | 68.6 | 74.2 | 77.4 | 78.8 | 79.4 | 80.0 | 80.2 | 80.3 | 81.1 | 81.1  | 81.1 | 81.2  | 81.2   | 81.2  | 81.2   |
| ≥ 7000               | 39.2                     | 71.7 | 77.4 | 80.9 | 82.3 | 82.8 | 83.4 | 83.7 | 83.8 | 84.5 | 84.5  | 84.5 | 84.6  | 84.6   | 84.6  | 84.6   |
| ≥ 6000               | 39.9                     | 72.5 | 78.4 | 81.8 | 83.2 | 83.8 | 84.4 | 84.6 | 84.7 | 85.5 | 85.5  | 85.5 | 85.6  | 85.6   | 85.6  | 85.6   |
| ≥ 5000               | 40.4                     | 73.2 | 79.1 | 82.6 | 84.0 | 84.5 | 85.2 | 85.4 | 85.5 | 86.2 | 86.2  | 86.2 | 86.3  | 86.3   | 86.3  | 86.3   |
| ≥ 4500               | 40.4                     | 73.7 | 79.6 | 83.0 | 84.4 | 84.9 | 85.6 | 85.8 | 85.9 | 86.7 | 86.7  | 86.7 | 86.8  | 86.8   | 86.8  | 86.8   |
| ≥ 4000               | 40.5                     | 73.8 | 79.8 | 83.2 | 84.6 | 85.2 | 85.8 | 86.0 | 86.1 | 86.9 | 86.9  | 86.9 | 87.0  | 87.0   | 87.0  | 87.0   |
| ≥ 3500               | 40.9                     | 74.3 | 80.4 | 84.2 | 85.7 | 86.2 | 86.9 | 87.1 | 87.2 | 88.0 | 88.0  | 88.0 | 88.1  | 88.1   | 88.1  | 88.1   |
| ≥ 3000               | 40.9                     | 74.7 | 81.0 | 84.7 | 86.2 | 86.8 | 87.4 | 87.6 | 87.7 | 88.5 | 88.5  | 88.5 | 88.6  | 88.6   | 88.6  | 88.6   |
| ≥ 2500               | 41.7                     | 76.2 | 82.6 | 86.5 | 88.1 | 88.6 | 89.2 | 89.5 | 89.6 | 90.3 | 90.3  | 90.3 | 90.4  | 90.4   | 90.4  | 90.4   |
| ≥ 2000               | 41.2                     | 77.3 | 83.9 | 87.7 | 89.4 | 89.9 | 90.5 | 90.8 | 90.9 | 91.6 | 91.6  | 91.6 | 91.7  | 91.7   | 91.7  | 91.7   |
| ≥ 1800               | 41.5                     | 78.3 | 84.9 | 88.9 | 90.6 | 91.2 | 91.8 | 92.0 | 92.2 | 92.9 | 92.9  | 92.9 | 93.0  | 93.0   | 93.0  | 93.0   |
| ≥ 1500               | 41.5                     | 78.7 | 85.4 | 89.4 | 91.1 | 91.6 | 92.3 | 92.5 | 92.6 | 93.3 | 93.3  | 93.3 | 93.4  | 93.4   | 93.4  | 93.4   |
| ≥ 1200               | 41.5                     | 79.6 | 86.3 | 90.4 | 92.3 | 92.9 | 93.5 | 93.8 | 93.9 | 94.6 | 94.6  | 94.6 | 94.7  | 94.7   | 94.7  | 94.7   |
| ≥ 1000               | 41.5                     | 80.3 | 87.2 | 91.4 | 93.2 | 94.0 | 94.6 | 94.8 | 94.9 | 95.8 | 95.8  | 95.8 | 95.9  | 95.9   | 95.9  | 95.9   |
| ≥ 900                | 41.5                     | 80.4 | 88.1 | 92.3 | 94.2 | 94.9 | 95.7 | 95.9 | 96.0 | 97.0 | 97.0  | 97.0 | 97.1  | 97.1   | 97.1  | 97.1   |
| ≥ 800                | 41.6                     | 80.8 | 88.4 | 92.6 | 94.5 | 95.3 | 96.0 | 96.3 | 96.5 | 97.4 | 97.4  | 97.4 | 97.5  | 97.5   | 97.5  | 97.5   |
| ≥ 700                | 41.6                     | 80.9 | 88.5 | 92.7 | 94.6 | 95.4 | 96.1 | 96.5 | 96.6 | 97.5 | 97.5  | 97.5 | 97.7  | 97.7   | 97.7  | 97.7   |
| ≥ 600                | 41.6                     | 81.0 | 88.6 | 92.8 | 94.7 | 95.5 | 96.2 | 96.6 | 96.7 | 97.6 | 97.6  | 97.6 | 97.8  | 97.8   | 97.8  | 97.8   |
| ≥ 500                | 41.6                     | 81.0 | 88.7 | 92.9 | 94.8 | 95.6 | 96.3 | 96.8 | 96.9 | 97.8 | 97.8  | 97.8 | 98.1  | 98.1   | 98.1  | 98.1   |
| ≥ 400                | 41.6                     | 81.0 | 88.7 | 92.9 | 95.4 | 96.2 | 97.3 | 98.0 | 98.1 | 99.1 | 99.1  | 99.1 | 99.4  | 99.4   | 99.4  | 99.4   |
| ≥ 300                | 41.6                     | 81.0 | 88.7 | 92.9 | 95.4 | 96.5 | 97.5 | 98.2 | 98.3 | 99.4 | 99.5  | 99.5 | 99.8  | 99.8   | 99.8  | 99.8   |
| ≥ 200                | 41.6                     | 81.0 | 88.7 | 92.9 | 95.4 | 96.5 | 97.5 | 98.2 | 98.3 | 99.5 | 99.6  | 99.6 | 99.9  | 99.9   | 99.9  | 99.9   |
| ≥ 100                | 41.6                     | 81.0 | 88.7 | 92.9 | 95.4 | 96.5 | 97.5 | 98.2 | 98.3 | 99.5 | 99.6  | 99.6 | 99.9  | 99.9   | 99.9  | 99.9   |
| ≥ 0                  | 41.6                     | 81.0 | 88.7 | 92.9 | 95.4 | 96.5 | 97.5 | 98.2 | 98.3 | 99.5 | 99.6  | 99.6 | 99.9  | 99.9   | 99.9  | 99.9   |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72457 PHILLIPS/ABERDEEN MD

48-57

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1949-1950

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |        |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO CEILING      | 23.2                     | 41.3 | 46.0 | 49.4 | 52.3 | 53.1 | 54.3 | 55.7 | 56.2 | 57.2 | 57.4  | 57.5 | 58.0  | 58.2   | 58.6  | 58.6   |
| ≥20000          | 24.9                     | 45.7 | 50.9 | 54.7 | 58.1 | 58.9 | 60.1 | 61.6 | 62.2 | 63.1 | 63.3  | 63.4 | 63.9  | 64.1   | 64.5  | 64.5   |
| ≥18000          | 25.3                     | 46.3 | 51.5 | 55.4 | 58.8 | 59.7 | 60.9 | 62.4 | 62.9 | 63.9 | 64.1  | 64.2 | 64.6  | 64.8   | 65.3  | 65.3   |
| ≥16000          | 25.3                     | 46.5 | 51.8 | 55.7 | 59.2 | 60.1 | 61.3 | 62.8 | 63.3 | 64.3 | 64.5  | 64.6 | 65.1  | 65.3   | 65.7  | 65.7   |
| ≥14000          | 25.6                     | 47.4 | 52.9 | 56.8 | 60.3 | 61.2 | 62.4 | 63.9 | 64.4 | 65.5 | 65.8  | 65.9 | 66.3  | 66.6   | 67.0  | 67.0   |
| ≥12000          | 26.1                     | 50.5 | 56.3 | 60.6 | 64.9 | 65.9 | 67.2 | 68.7 | 69.2 | 70.5 | 70.9  | 71.0 | 71.4  | 71.6   | 72.0  | 72.0   |
| ≥10000          | 27.8                     | 54.5 | 60.4 | 65.5 | 70.2 | 71.2 | 72.5 | 74.0 | 74.5 | 75.9 | 76.2  | 76.3 | 76.8  | 77.0   | 77.4  | 77.4   |
| ≥9000           | 28.8                     | 55.9 | 62.0 | 67.2 | 71.9 | 72.9 | 74.3 | 75.6 | 76.3 | 77.7 | 78.1  | 78.2 | 78.6  | 78.8   | 79.2  | 79.2   |
| ≥8000           | 29.8                     | 58.1 | 64.4 | 69.9 | 74.8 | 75.8 | 77.3 | 78.8 | 79.4 | 80.8 | 81.1  | 81.2 | 81.6  | 81.8   | 82.3  | 82.3   |
| ≥7000           | 30.2                     | 59.5 | 65.9 | 71.4 | 76.6 | 77.5 | 79.0 | 80.5 | 81.1 | 82.5 | 82.8  | 82.9 | 83.3  | 83.5   | 84.0  | 84.0   |
| ≥6000           | 30.3                     | 60.2 | 66.9 | 72.4 | 77.5 | 78.5 | 80.0 | 81.5 | 82.0 | 83.4 | 83.8  | 83.9 | 84.3  | 84.5   | 84.9  | 84.9   |
| ≥5000           | 30.6                     | 61.0 | 67.6 | 73.1 | 78.3 | 79.2 | 80.8 | 82.3 | 82.8 | 84.2 | 84.5  | 84.6 | 85.1  | 85.3   | 85.7  | 85.7   |
| ≥4500           | 30.6                     | 61.2 | 67.8 | 73.3 | 78.5 | 79.5 | 81.0 | 82.5 | 83.0 | 84.4 | 84.7  | 84.8 | 85.3  | 85.5   | 85.9  | 85.9   |
| ≥4000           | 30.6                     | 61.6 | 68.3 | 74.1 | 79.2 | 80.2 | 81.7 | 83.2 | 83.8 | 85.2 | 85.5  | 85.6 | 86.0  | 86.2   | 86.7  | 86.7   |
| ≥3500           | 30.8                     | 62.2 | 68.8 | 74.6 | 79.8 | 80.8 | 82.3 | 83.8 | 84.3 | 85.7 | 86.0  | 86.1 | 86.6  | 86.8   | 87.2  | 87.2   |
| ≥3000           | 30.8                     | 62.7 | 69.5 | 75.3 | 80.4 | 81.4 | 82.9 | 84.4 | 84.9 | 86.3 | 86.7  | 86.8 | 87.2  | 87.4   | 87.8  | 87.8   |
| ≥2500           | 31.4                     | 64.6 | 71.4 | 77.2 | 82.4 | 83.3 | 84.8 | 86.3 | 86.9 | 88.3 | 88.6  | 88.7 | 89.1  | 89.4   | 89.8  | 89.8   |
| ≥2000           | 31.4                     | 65.4 | 72.4 | 78.5 | 83.8 | 84.7 | 86.2 | 87.7 | 88.3 | 89.7 | 90.0  | 90.1 | 90.6  | 90.9   | 91.3  | 91.3   |
| ≥1800           | 31.4                     | 65.4 | 72.4 | 78.6 | 83.9 | 84.8 | 86.3 | 87.8 | 88.4 | 89.8 | 90.1  | 90.2 | 90.8  | 91.0   | 91.4  | 91.4   |
| ≥1600           | 31.6                     | 66.6 | 73.5 | 79.9 | 85.4 | 86.3 | 87.8 | 89.3 | 90.0 | 91.4 | 91.7  | 91.8 | 92.4  | 92.6   | 93.0  | 93.0   |
| ≥1400           | 31.6                     | 66.6 | 74.0 | 80.3 | 86.0 | 87.0 | 88.7 | 90.3 | 90.9 | 92.3 | 92.6  | 92.7 | 93.2  | 93.4   | 93.9  | 93.9   |
| ≥1200           | 31.6                     | 68.0 | 75.3 | 81.6 | 87.5 | 88.5 | 90.3 | 92.0 | 92.6 | 94.0 | 94.3  | 94.4 | 94.9  | 95.2   | 95.6  | 95.6   |
| ≥1000           | 31.8                     | 68.1 | 75.5 | 81.8 | 87.8 | 88.8 | 90.8 | 92.5 | 93.0 | 94.4 | 94.7  | 94.8 | 95.4  | 95.6   | 96.0  | 96.0   |
| ≥900            | 31.8                     | 68.3 | 75.7 | 82.2 | 88.2 | 89.1 | 91.1 | 92.8 | 93.3 | 94.7 | 95.1  | 95.2 | 95.7  | 95.9   | 96.3  | 96.3   |
| ≥800            | 31.8                     | 68.5 | 75.9 | 82.4 | 88.5 | 89.5 | 91.4 | 93.1 | 93.7 | 95.1 | 95.4  | 95.5 | 96.1  | 96.3   | 96.8  | 96.8   |
| ≥700            | 31.9                     | 68.7 | 76.1 | 82.6 | 88.7 | 89.7 | 91.7 | 93.4 | 94.0 | 95.4 | 95.7  | 95.8 | 96.5  | 96.7   | 97.1  | 97.1   |
| ≥600            | 31.9                     | 68.8 | 76.2 | 82.8 | 89.6 | 90.5 | 92.6 | 94.4 | 94.9 | 96.3 | 96.7  | 96.8 | 97.7  | 98.0   | 98.4  | 98.4   |
| ≥500            | 31.9                     | 68.8 | 76.2 | 82.8 | 89.7 | 90.9 | 92.9 | 94.7 | 95.3 | 96.7 | 97.0  | 97.1 | 98.1  | 98.3   | 98.7  | 98.7   |
| ≥400            | 31.9                     | 68.8 | 76.2 | 82.8 | 89.7 | 90.9 | 92.9 | 94.8 | 95.4 | 97.0 | 97.3  | 97.4 | 98.5  | 98.7   | 99.1  | 99.1   |
| ≥300            | 31.9                     | 68.8 | 76.2 | 82.8 | 89.7 | 90.9 | 92.9 | 94.9 | 95.5 | 97.2 | 97.6  | 97.7 | 99.0  | 99.2   | 99.7  | 99.7   |
| ≥200            | 31.9                     | 68.8 | 76.2 | 82.8 | 89.7 | 90.9 | 92.9 | 94.9 | 95.5 | 97.2 | 97.6  | 97.7 | 99.1  | 99.4   | 99.8  | 99.8   |
| ≥100            | 31.9                     | 68.8 | 76.2 | 82.8 | 89.7 | 90.9 | 92.9 | 94.9 | 95.5 | 97.2 | 97.6  | 97.7 | 99.1  | 99.4   | 99.8  | 99.8   |
| ≥0              | 31.9                     | 68.6 | 76.2 | 82.8 | 89.7 | 90.9 | 92.9 | 94.9 | 95.5 | 97.2 | 97.6  | 97.7 | 99.1  | 99.4   | 99.8  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS 932

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFC WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724257 PHILLIPS/ABERDEEN MD

48-57

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0000

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0   |
| NO CEILING      | 24.5                     | 41.6 | 44.2 | 47.3 | 49.2 | 50.1  | 51.1 | 51.5  | 51.5 | 51.7  | 51.8 | 51.8  | 51.8 | 51.8  | 51.8  | 51.8  |
| ≥ 20000         | 27.3                     | 47.5 | 50.2 | 54.1 | 56.6 | 57.4  | 58.4 | 58.9  | 58.9 | 59.1  | 59.2 | 59.2  | 59.2 | 59.2  | 59.2  | 59.2  |
| ≥ 18000         | 27.3                     | 48.3 | 51.0 | 54.8 | 57.3 | 58.2  | 59.1 | 59.7  | 59.7 | 59.9  | 60.0 | 60.0  | 60.0 | 60.0  | 60.0  | 60.0  |
| ≥ 16000         | 27.5                     | 48.9 | 51.9 | 55.8 | 58.3 | 59.1  | 60.1 | 60.6  | 60.6 | 60.9  | 61.0 | 61.0  | 61.0 | 61.0  | 61.0  | 61.0  |
| ≥ 14000         | 29.2                     | 50.9 | 54.0 | 58.3 | 60.9 | 61.7  | 62.7 | 63.2  | 63.2 | 63.4  | 63.7 | 63.7  | 63.7 | 63.7  | 63.7  | 63.7  |
| ≥ 12000         | 31.5                     | 54.6 | 58.0 | 62.6 | 65.3 | 66.2  | 67.3 | 67.8  | 67.8 | 68.3  | 68.6 | 68.6  | 68.6 | 68.6  | 68.6  | 68.6  |
| ≥ 10000         | 32.8                     | 58.7 | 62.7 | 67.8 | 70.6 | 71.6  | 73.0 | 73.5  | 73.5 | 74.0  | 74.3 | 74.3  | 74.3 | 74.3  | 74.3  | 74.3  |
| ≥ 9000          | 34.1                     | 60.4 | 64.5 | 69.8 | 72.7 | 73.7  | 75.1 | 75.6  | 75.6 | 76.0  | 76.3 | 76.3  | 76.3 | 76.3  | 76.3  | 76.3  |
| ≥ 8000          | 34.9                     | 62.6 | 67.0 | 72.5 | 75.4 | 76.3  | 78.0 | 78.5  | 78.5 | 78.9  | 79.2 | 79.2  | 79.2 | 79.2  | 79.2  | 79.2  |
| ≥ 7000          | 35.3                     | 63.8 | 68.3 | 73.8 | 76.7 | 77.6  | 79.2 | 79.8  | 79.8 | 80.2  | 80.5 | 80.5  | 80.5 | 80.5  | 80.5  | 80.5  |
| ≥ 6000          | 36.5                     | 64.6 | 69.4 | 74.8 | 77.7 | 78.7  | 80.3 | 80.9  | 80.9 | 81.3  | 81.6 | 81.6  | 81.6 | 81.6  | 81.6  | 81.6  |
| ≥ 5000          | 36.8                     | 65.9 | 70.6 | 76.1 | 79.0 | 80.1  | 81.9 | 82.5  | 82.5 | 82.9  | 83.2 | 83.2  | 83.2 | 83.2  | 83.2  | 83.2  |
| ≥ 4500          | 37.0                     | 66.5 | 71.3 | 76.8 | 79.7 | 80.8  | 82.6 | 83.1  | 83.1 | 83.5  | 83.9 | 83.9  | 83.9 | 83.9  | 83.9  | 83.9  |
| ≥ 4000          | 37.3                     | 67.0 | 71.9 | 77.4 | 80.3 | 81.4  | 83.2 | 83.8  | 83.8 | 84.2  | 84.5 | 84.5  | 84.5 | 84.5  | 84.5  | 84.5  |
| ≥ 3500          | 37.6                     | 67.6 | 72.6 | 78.1 | 81.1 | 82.2  | 84.0 | 84.5  | 84.5 | 84.9  | 85.3 | 85.3  | 85.3 | 85.3  | 85.3  | 85.3  |
| ≥ 3000          | 38.2                     | 68.3 | 73.2 | 78.8 | 81.8 | 82.9  | 84.8 | 85.4  | 85.4 | 85.8  | 86.1 | 86.1  | 86.1 | 86.1  | 86.1  | 86.1  |
| ≥ 2500          | 38.2                     | 69.1 | 74.1 | 79.6 | 82.8 | 83.9  | 85.8 | 86.3  | 86.3 | 86.8  | 87.1 | 87.1  | 87.1 | 87.1  | 87.1  | 87.1  |
| ≥ 2000          | 38.6                     | 70.1 | 75.1 | 80.8 | 83.8 | 84.8  | 86.8 | 87.3  | 87.4 | 87.8  | 88.2 | 88.2  | 88.2 | 88.2  | 88.3  | 88.3  |
| ≥ 1800          | 38.8                     | 70.5 | 75.5 | 81.2 | 84.3 | 85.4  | 87.3 | 87.8  | 88.0 | 88.4  | 88.7 | 88.7  | 88.7 | 88.7  | 88.8  | 88.8  |
| ≥ 1600          | 39.1                     | 71.1 | 76.0 | 82.0 | 85.3 | 86.3  | 88.3 | 88.8  | 88.9 | 89.4  | 89.7 | 89.7  | 89.7 | 89.7  | 89.8  | 89.8  |
| ≥ 1400          | 39.4                     | 72.0 | 77.2 | 83.2 | 86.7 | 88.2  | 90.4 | 91.0  | 91.2 | 91.6  | 91.9 | 91.9  | 91.9 | 91.9  | 92.0  | 92.0  |
| ≥ 1200          | 39.6                     | 73.1 | 78.7 | 84.7 | 88.7 | 90.4  | 92.8 | 93.4  | 93.7 | 94.1  | 94.4 | 94.4  | 94.4 | 94.4  | 94.5  | 94.5  |
| ≥ 1000          | 39.6                     | 73.1 | 78.7 | 84.7 | 88.9 | 90.6  | 93.0 | 93.7  | 93.9 | 94.3  | 94.6 | 94.6  | 94.6 | 94.6  | 94.7  | 94.7  |
| ≥ 900           | 39.8                     | 73.5 | 79.5 | 85.5 | 89.7 | 91.4  | 93.8 | 94.4  | 94.6 | 95.1  | 95.4 | 95.4  | 95.4 | 95.4  | 95.5  | 95.5  |
| ≥ 800           | 39.8                     | 73.8 | 79.7 | 85.7 | 90.1 | 91.8  | 94.2 | 94.8  | 95.1 | 95.5  | 95.8 | 95.8  | 95.8 | 95.8  | 95.9  | 95.9  |
| ≥ 700           | 39.8                     | 73.9 | 79.8 | 85.8 | 90.4 | 92.4  | 94.8 | 95.6  | 95.8 | 96.2  | 96.6 | 96.6  | 96.6 | 96.6  | 96.7  | 96.7  |
| ≥ 600           | 39.8                     | 74.3 | 80.4 | 86.7 | 91.7 | 93.8  | 96.5 | 97.2  | 97.4 | 97.8  | 98.2 | 98.2  | 98.2 | 98.2  | 98.3  | 98.3  |
| ≥ 500           | 39.8                     | 74.3 | 80.4 | 86.7 | 91.7 | 93.8  | 96.6 | 97.4  | 97.6 | 98.1  | 98.4 | 98.4  | 98.4 | 98.4  | 98.5  | 98.5  |
| ≥ 400           | 39.8                     | 74.3 | 80.4 | 86.7 | 91.7 | 93.8  | 96.7 | 97.6  | 97.8 | 98.8  | 99.2 | 99.2  | 99.2 | 99.2  | 99.4  | 99.4  |
| ≥ 300           | 39.8                     | 74.3 | 80.4 | 86.7 | 91.7 | 93.8  | 96.7 | 97.6  | 97.8 | 98.8  | 99.2 | 99.2  | 99.2 | 99.2  | 99.5  | 99.5  |
| ≥ 200           | 39.8                     | 74.3 | 80.4 | 86.7 | 91.7 | 93.8  | 96.7 | 97.6  | 97.8 | 98.8  | 99.2 | 99.2  | 99.2 | 99.2  | 99.6  | 99.6  |
| ≥ 100           | 39.8                     | 74.3 | 80.4 | 86.7 | 91.7 | 93.8  | 96.7 | 97.6  | 97.8 | 98.8  | 99.2 | 99.2  | 99.2 | 99.2  | 99.7  | 99.7  |
| ≥ 0             | 39.8                     | 74.3 | 80.4 | 86.7 | 91.7 | 93.8  | 96.7 | 97.6  | 97.8 | 98.8  | 99.2 | 99.2  | 99.2 | 99.2  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

46-57  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-1100  
LOCAL TIME

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1   | ≥ 1   | ≥ 1   | ≥ 1   | ≥ 1   | ≥ 1   | ≥ 1   |
| NO CEILING      | 37.7                     | 51.1 | 53.1 | 54.1 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7  | 54.7  | 54.7  | 54.7  | 54.7  | 54.7  |
| ≥ 20000         | 43.0                     | 58.7 | 61.3 | 62.8 | 63.5 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  |
| ≥ 18000         | 43.2                     | 59.1 | 61.7 | 63.2 | 64.0 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  | 64.1  |
| ≥ 16000         | 43.4                     | 59.6 | 62.2 | 63.8 | 64.5 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  | 64.6  |
| ≥ 14000         | 44.9                     | 62.0 | 64.6 | 66.5 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  | 67.3  | 67.3  | 67.3  | 67.3  | 67.3  | 67.3  |
| ≥ 12000         | 48.0                     | 67.0 | 69.7 | 71.6 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  |
| ≥ 10000         | 49.5                     | 69.6 | 72.5 | 74.6 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6  | 75.6  | 75.6  | 75.6  | 75.6  | 75.6  | 75.6  |
| ≥ 9000          | 50.2                     | 71.0 | 73.9 | 76.0 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  |
| ≥ 8000          | 51.1                     | 73.1 | 76.5 | 78.9 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
| ≥ 7000          | 51.9                     | 74.6 | 78.0 | 80.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  | 81.5  |
| ≥ 6000          | 52.3                     | 75.6 | 78.9 | 81.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  |
| ≥ 5000          | 52.4                     | 75.9 | 79.4 | 81.8 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  |
| ≥ 4500          | 52.7                     | 76.3 | 80.0 | 82.5 | 83.5 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8  | 83.8  | 83.8  | 83.8  | 83.8  | 83.8  | 83.8  |
| ≥ 4000          | 53.3                     | 77.4 | 81.4 | 84.1 | 85.2 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  | 85.4  |
| ≥ 3500          | 54.0                     | 78.4 | 82.4 | 85.1 | 86.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  |
| ≥ 3000          | 54.8                     | 79.9 | 84.0 | 86.7 | 87.7 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  |
| ≥ 2500          | 55.4                     | 81.2 | 85.6 | 88.3 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  |
| ≥ 2000          | 55.7                     | 82.3 | 86.9 | 89.6 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  | 91.2  |
| ≥ 1800          | 55.7                     | 82.9 | 87.7 | 90.4 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  |
| ≥ 1500          | 55.8                     | 83.1 | 88.1 | 90.8 | 92.5 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  | 92.8  |
| ≥ 1200          | 56.9                     | 84.8 | 89.8 | 92.5 | 94.6 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  |
| ≥ 1000          | 57.3                     | 86.1 | 91.1 | 94.0 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  |
| ≥ 900           | 57.4                     | 86.6 | 91.5 | 94.4 | 97.3 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  |
| ≥ 800           | 57.4                     | 86.9 | 91.8 | 94.9 | 98.0 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| ≥ 700           | 57.4                     | 87.2 | 92.2 | 95.3 | 98.3 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  |
| ≥ 600           | 57.4                     | 87.3 | 92.3 | 95.4 | 98.5 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  |
| ≥ 500           | 57.4                     | 87.6 | 92.7 | 95.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| ≥ 400           | 57.4                     | 87.6 | 92.7 | 95.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| ≥ 300           | 57.4                     | 87.6 | 92.7 | 95.9 | 99.0 | 99.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200           | 57.4                     | 87.6 | 92.7 | 95.9 | 99.0 | 99.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100           | 57.4                     | 87.6 | 92.7 | 95.9 | 99.0 | 99.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥               | 57.4                     | 87.6 | 92.7 | 95.9 | 99.0 | 99.2 | 99.4 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

48-57

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1    | ≥1    | ≥1    | ≥1    | ≥1    | ≥1    | ≥1    |
| NO CEILING      | 38.4                     | 48.6 | 50.3 | 50.8 | 50.8 | 50.8 | 50.9 | 50.8 | 50.8 | 50.8  | 50.8  | 50.8  | 50.8  | 50.8  | 50.8  | 50.8  |
| ≥ 20000         | 46.7                     | 58.8 | 61.1 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  | 61.6  |
| IV 18000        | 46.6                     | 59.5 | 61.7 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3  | 62.3  | 62.3  | 62.3  | 62.3  | 62.3  | 62.3  |
| IV 16000        | 47.7                     | 60.0 | 62.4 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  | 62.9  |
| IV 14000        | 48.1                     | 61.7 | 64.3 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  |
| IV 12000        | 50.1                     | 64.9 | 67.5 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  | 68.1  |
| IV 10000        | 53.3                     | 70.3 | 73.1 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  |
| IV 9000         | 53.8                     | 70.8 | 73.5 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  | 74.4  |
| IV 8000         | 54.7                     | 72.6 | 75.4 | 76.3 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  | 76.5  |
| IV 7000         | 55.5                     | 74.7 | 77.5 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8  | 78.8  | 78.8  | 78.8  | 78.8  | 78.8  | 78.8  |
| IV 6000         | 55.7                     | 74.9 | 77.7 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  |
| IV 5000         | 56.7                     | 76.5 | 79.2 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5  | 80.5  | 80.5  | 80.5  | 80.5  | 80.5  | 80.5  |
| IV 4500         | 57.3                     | 77.5 | 80.4 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  | 81.7  |
| IV 4000         | 60.2                     | 81.2 | 84.2 | 85.5 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8  | 85.8  | 85.8  | 85.8  | 85.8  | 85.8  | 85.8  |
| IV 3500         | 61.0                     | 82.8 | 85.9 | 87.4 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  |
| IV 3000         | 62.7                     | 86.0 | 89.7 | 91.3 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  |
| IV 2500         | 63.9                     | 88.0 | 91.7 | 93.5 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  | 94.4  |
| IV 2000         | 64.3                     | 89.0 | 92.8 | 94.7 | 95.6 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  |
| IV 1800         | 64.3                     | 89.1 | 92.9 | 94.8 | 95.7 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  |
| IV 1500         | 64.6                     | 89.8 | 93.5 | 95.6 | 96.5 | 96.7 | 96.9 | 97.0 | 97.0 | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  |
| IV 1200         | 64.7                     | 90.1 | 93.9 | 95.9 | 96.8 | 97.0 | 97.4 | 97.5 | 97.5 | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| IV 1000         | 64.7                     | 90.4 | 94.2 | 96.3 | 97.5 | 97.7 | 98.3 | 98.4 | 98.4 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| IV 900          | 64.7                     | 90.4 | 94.2 | 96.3 | 97.5 | 97.7 | 98.3 | 98.5 | 98.5 | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  |
| IV 800          | 64.8                     | 90.5 | 94.3 | 96.7 | 97.8 | 98.1 | 98.6 | 98.8 | 98.8 | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  |
| IV 700          | 64.8                     | 90.6 | 94.4 | 96.9 | 98.2 | 98.4 | 98.9 | 99.1 | 99.1 | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| IV 600          | 64.8                     | 90.8 | 94.5 | 97.0 | 98.5 | 98.8 | 99.4 | 99.7 | 99.7 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| IV 500          | 64.8                     | 90.8 | 94.6 | 97.1 | 98.6 | 98.9 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400          | 64.8                     | 90.8 | 94.6 | 97.1 | 98.6 | 98.9 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300          | 64.8                     | 90.8 | 94.6 | 97.1 | 98.6 | 98.9 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200          | 64.8                     | 90.8 | 94.6 | 97.1 | 98.6 | 98.9 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100          | 64.8                     | 90.8 | 94.6 | 97.1 | 98.6 | 98.9 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0            | 64.8                     | 90.8 | 94.6 | 97.1 | 98.6 | 98.9 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1.4 | ≥1   | ≥.4  | ≥.3  | ≥.2   | ≥.16  | ≥.1   | ≥0    |
| NO CEILING      | 42.2                     | 52.8 | 53.7 | 54.3 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5  | 54.5  | 54.5  | 54.5  |
| ≥ 20000         | 51.6                     | 64.5 | 65.5 | 66.1 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3  | 66.3  | 66.3  | 66.3  |
| ≥ 18000         | 52.5                     | 65.5 | 66.5 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  | 67.3  | 67.3  | 67.3  |
| ≥ 16000         | 52.8                     | 65.9 | 67.0 | 67.6 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8  | 67.8  | 67.8  | 67.8  |
| ≥ 14000         | 53.5                     | 67.6 | 68.7 | 69.6 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8  | 69.8  | 69.8  | 69.8  |
| ≥ 12000         | 56.1                     | 71.5 | 72.6 | 73.4 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7  | 73.7  | 73.7  | 73.7  |
| ≥ 10000         | 59.6                     | 77.7 | 79.1 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5  | 80.5  | 80.5  | 80.5  |
| ≥ 9000          | 60.2                     | 78.8 | 80.3 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7  | 81.7  | 81.7  | 81.7  |
| ≥ 8000          | 61.6                     | 81.1 | 82.7 | 84.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2  | 84.2  | 84.2  | 84.2  |
| ≥ 7000          | 62.4                     | 82.5 | 84.3 | 85.8 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0  | 86.0  | 86.0  | 86.0  |
| ≥ 6000          | 62.7                     | 82.9 | 84.7 | 86.2 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5  | 86.6  | 86.6  | 86.6  |
| ≥ 5000          | 63.7                     | 84.3 | 86.1 | 87.6 | 87.8 | 87.8 | 87.8 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1  | 88.1  | 88.1  | 88.1  |
| ≥ 4500          | 64.8                     | 85.6 | 87.4 | 88.9 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2  | 89.4  | 89.4  | 89.4  |
| ≥ 4000          | 65.6                     | 86.9 | 88.9 | 90.4 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0  | 91.0  | 91.0  | 91.0  |
| ≥ 3500          | 66.0                     | 87.8 | 89.9 | 91.5 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.0  | 92.0  | 92.0  | 92.0  |
| ≥ 3000          | 67.4                     | 90.8 | 92.9 | 95.1 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6  | 95.6  | 95.6  | 95.6  |
| ≥ 2500          | 67.5                     | 91.5 | 93.8 | 96.0 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6  | 96.6  | 96.6  | 96.6  |
| ≥ 2000          | 67.6                     | 91.7 | 94.1 | 96.3 | 96.7 | 96.7 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1  | 97.1  | 97.1  | 97.1  |
| ≥ 1800          | 67.6                     | 91.8 | 94.2 | 96.5 | 96.8 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1  | 97.2  | 97.2  | 97.2  |
| ≥ 1500          | 67.6                     | 92.3 | 94.6 | 97.0 | 97.4 | 97.4 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7  | 97.8  | 97.8  | 97.8  |
| ≥ 1200          | 67.6                     | 92.5 | 94.8 | 97.3 | 97.7 | 97.7 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3  | 98.3  | 98.3  | 98.3  |
| ≥ 1000          | 67.7                     | 92.6 | 95.1 | 97.7 | 98.2 | 98.2 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8  | 98.8  | 98.8  | 98.8  |
| ≥ 900           | 67.7                     | 92.6 | 95.1 | 97.7 | 98.2 | 98.3 | 98.6 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0  | 99.0  | 99.0  | 99.0  |
| ≥ 800           | 67.8                     | 92.7 | 95.2 | 97.8 | 98.3 | 98.4 | 98.7 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.1  | 99.1  | 99.1  | 99.1  |
| ≥ 700           | 67.8                     | 92.7 | 95.2 | 97.8 | 98.3 | 98.4 | 98.7 | 98.9 | 98.9 | 99.4 | 99.4 | 99.4 | 99.5  | 99.5  | 99.5  | 99.5  |
| ≥ 600           | 67.8                     | 92.7 | 95.2 | 97.8 | 98.3 | 98.4 | 98.7 | 98.9 | 98.9 | 99.6 | 99.6 | 99.6 | 99.7  | 99.7  | 99.7  | 99.7  |
| ≥ 500           | 67.8                     | 92.7 | 95.2 | 97.8 | 98.3 | 98.4 | 98.9 | 99.2 | 99.2 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  |
| ≥ 400           | 67.8                     | 92.7 | 95.2 | 97.8 | 98.3 | 98.4 | 98.9 | 99.2 | 99.2 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  |
| ≥ 300           | 67.8                     | 92.7 | 95.2 | 97.8 | 98.3 | 98.4 | 98.9 | 99.2 | 99.2 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  |
| ≥ 200           | 68.0                     | 92.8 | 95.3 | 98.0 | 98.4 | 98.5 | 99.0 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100           | 68.0                     | 92.8 | 95.3 | 98.0 | 98.4 | 98.5 | 99.0 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0             | 68.0                     | 92.8 | 95.3 | 98.0 | 98.4 | 98.5 | 99.0 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057

PHILLIPS/ABERDEEN MD

48-57

1970

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1970-2000

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1.4 | ≥1   | ≥0.5 | ≥0.4 | ≥0.3 | ≥0.25 | ≥0.2 | ≥0   |
| NO CEILING      | 38.0                     | 51.0 | 52.7 | 53.7 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0  | 54.0 | 54.0 |
| ≥ 20000         | 45.8                     | 61.2 | 63.1 | 64.3 | 64.6 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7  | 64.7 | 64.7 |
| ≥ 18000         | 46.3                     | 61.8 | 63.8 | 64.9 | 65.3 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6  | 65.6 | 65.6 |
| ≥ 16000         | 47.6                     | 63.5 | 65.6 | 66.8 | 67.1 | 67.3 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5  | 67.5 | 67.5 |
| ≥ 14000         | 49.1                     | 66.2 | 68.4 | 69.6 | 69.9 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3  | 70.3 | 70.3 |
| ≥ 12000         | 51.5                     | 71.3 | 73.5 | 74.7 | 75.1 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5  | 75.5 | 75.5 |
| ≥ 10000         | 53.4                     | 74.6 | 77.4 | 78.8 | 79.2 | 79.6 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8  | 79.8 | 79.8 |
| ≥ 9000          | 54.8                     | 76.6 | 79.4 | 80.9 | 81.5 | 81.8 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0  | 82.0 | 82.0 |
| ≥ 8000          | 55.5                     | 78.2 | 81.1 | 82.7 | 83.5 | 83.9 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1  | 84.1 | 84.1 |
| ≥ 7000          | 56.8                     | 79.9 | 83.1 | 84.7 | 85.6 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1  | 86.1 | 86.1 |
| ≥ 6000          | 57.3                     | 81.2 | 84.4 | 86.0 | 87.1 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6  | 87.6 | 87.6 |
| ≥ 5000          | 58.6                     | 83.4 | 86.8 | 88.5 | 89.7 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2  | 90.2 | 90.2 |
| ≥ 4500          | 59.5                     | 84.4 | 87.7 | 89.5 | 90.6 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2  | 91.2 | 91.2 |
| ≥ 4000          | 60.0                     | 85.9 | 89.4 | 91.4 | 92.7 | 93.0 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3  | 93.3 | 93.3 |
| ≥ 3500          | 60.1                     | 86.7 | 90.1 | 92.3 | 93.5 | 93.9 | 94.1 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3  | 94.3 | 94.3 |
| ≥ 3000          | 60.1                     | 87.4 | 90.9 | 91.4 | 94.9 | 95.3 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7  | 95.7 | 95.7 |
| ≥ 2500          | 60.3                     | 87.7 | 91.2 | 93.9 | 95.6 | 95.9 | 96.1 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3  | 96.3 | 96.3 |
| ≥ 2000          | 60.3                     | 88.0 | 91.4 | 94.1 | 95.8 | 96.1 | 96.3 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6  | 96.6 | 96.6 |
| ≥ 1800          | 60.3                     | 88.1 | 91.5 | 94.2 | 95.9 | 96.2 | 96.5 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7  | 96.7 | 96.7 |
| ≥ 1500          | 60.3                     | 88.3 | 91.9 | 94.6 | 96.5 | 96.8 | 97.0 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2  | 97.2 | 97.2 |
| ≥ 1200          | 60.5                     | 88.5 | 92.2 | 94.8 | 96.7 | 97.0 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4  | 97.4 | 97.4 |
| ≥ 1000          | 60.8                     | 89.0 | 92.8 | 95.6 | 97.5 | 97.8 | 98.2 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5  | 98.5 | 98.5 |
| ≥ 900           | 60.9                     | 89.1 | 92.9 | 95.7 | 97.6 | 98.0 | 98.3 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7  | 98.7 | 98.7 |
| ≥ 800           | 60.9                     | 89.1 | 92.9 | 95.7 | 97.6 | 98.0 | 98.3 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8  | 98.8 | 98.8 |
| ≥ 700           | 60.9                     | 89.2 | 93.0 | 95.8 | 97.8 | 98.2 | 98.5 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0  | 99.0 | 99.0 |
| ≥ 600           | 60.9                     | 89.2 | 93.0 | 95.9 | 98.0 | 98.3 | 98.6 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1  | 99.1 | 99.1 |
| ≥ 500           | 60.9                     | 89.2 | 93.0 | 95.9 | 98.4 | 98.7 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9  | 99.9 | 99.9 |
| ≥ 400           | 60.9                     | 89.2 | 93.0 | 95.9 | 98.4 | 98.7 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9  | 99.9 | 99.9 |
| ≥ 300           | 60.9                     | 89.2 | 93.0 | 95.9 | 98.4 | 98.7 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9  | 99.9 | 99.9 |
| ≥ 200           | 60.9                     | 89.2 | 93.0 | 95.9 | 98.4 | 98.7 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9  | 99.9 | 99.9 |
| ≥ 100           | 60.9                     | 89.2 | 93.0 | 95.9 | 98.4 | 98.7 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9  | 99.9 | 99.9 |
| ≥ 0             | 60.9                     | 89.2 | 93.0 | 95.9 | 98.4 | 98.7 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9  | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

46-57  
ELEVATION

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
TIME PERIOD

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| NO CEILING      | 36.6                     | 60.5 | 63.8 | 66.8 | 67.3 | 67.5 | 67.7 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| ≥ 20000         | 41.2                     | 64.4 | 67.8 | 70.9 | 71.4 | 71.7 | 71.9 | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| ≥ 18000         | 41.2                     | 64.6 | 68.1 | 71.1 | 71.6 | 71.9 | 72.2 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| ≥ 16000         | 41.6                     | 65.4 | 68.8 | 71.8 | 72.4 | 72.7 | 72.9 | 73.2 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| ≥ 14000         | 42.4                     | 67.0 | 70.5 | 73.5 | 74.1 | 74.4 | 74.6 | 74.9 | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| ≥ 12000         | 44.1                     | 70.5 | 74.2 | 77.2 | 77.8 | 78.2 | 78.4 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥ 10000         | 46.1                     | 74.5 | 78.3 | 81.4 | 82.0 | 82.5 | 82.8 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| ≥ 9000          | 46.3                     | 75.3 | 79.0 | 82.2 | 82.9 | 83.3 | 83.7 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| ≥ 8000          | 47.4                     | 77.8 | 82.2 | 85.3 | 86.1 | 86.7 | 87.0 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 7000          | 47.6                     | 78.3 | 82.6 | 85.7 | 86.6 | 87.1 | 87.4 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 6000          | 47.8                     | 78.6 | 82.9 | 86.0 | 87.1 | 87.6 | 88.0 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 5000          | 48.1                     | 79.5 | 83.8 | 86.9 | 88.0 | 88.5 | 88.8 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 4500          | 48.3                     | 79.8 | 84.2 | 87.3 | 88.4 | 88.9 | 89.2 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 4000          | 48.8                     | 81.0 | 85.4 | 88.8 | 89.9 | 90.4 | 90.8 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 3500          | 48.8                     | 81.5 | 85.9 | 89.5 | 90.5 | 91.1 | 91.4 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 3000          | 49.0                     | 82.8 | 87.4 | 91.1 | 92.2 | 92.7 | 93.1 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 2500          | 49.2                     | 83.5 | 88.3 | 91.9 | 93.0 | 93.5 | 94.0 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 2000          | 49.4                     | 84.3 | 89.2 | 93.0 | 94.2 | 94.7 | 95.2 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 1800          | 49.4                     | 84.3 | 89.4 | 93.1 | 94.3 | 94.8 | 95.3 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 1500          | 49.4                     | 84.7 | 89.9 | 93.9 | 95.1 | 95.7 | 96.1 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 1200          | 49.4                     | 84.8 | 90.1 | 94.1 | 95.5 | 96.1 | 96.6 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 1000          | 49.6                     | 85.5 | 90.9 | 94.9 | 96.3 | 97.1 | 97.8 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 900           | 49.6                     | 85.5 | 90.9 | 95.1 | 96.5 | 97.2 | 98.1 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 800           | 49.6                     | 85.6 | 91.0 | 95.3 | 96.7 | 97.4 | 98.3 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 700           | 49.6                     | 85.6 | 91.0 | 95.3 | 96.7 | 97.4 | 98.3 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 600           | 49.6                     | 85.6 | 91.0 | 95.3 | 96.7 | 97.4 | 98.3 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 500           | 49.6                     | 85.7 | 91.2 | 95.5 | 97.1 | 98.0 | 99.0 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400           | 49.6                     | 85.7 | 91.2 | 95.5 | 97.1 | 98.0 | 99.0 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300           | 49.6                     | 85.7 | 91.2 | 95.5 | 97.1 | 98.0 | 99.0 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200           | 49.6                     | 85.7 | 91.2 | 95.5 | 97.1 | 98.0 | 99.0 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100           | 49.6                     | 85.7 | 91.2 | 95.5 | 97.1 | 98.0 | 99.0 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0             | 49.6                     | 85.7 | 91.2 | 95.5 | 97.1 | 98.0 | 99.0 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057

PHILLIPS/ABERDEEN MD

48-57

1111

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |       |      |       |        |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 |
| NO CEILING      | 34.4                     | 50.3 | 53.0 | 54.9 | 55.8 | 56.1 | 56.5 | 56.8 | 56.8 | 57.1 | 57.1  | 57.1  | 57.2 | 57.2  | 57.3   | 57.3  |
| ≥ 20000         | 39.3                     | 57.4 | 60.3 | 62.6 | 63.7 | 64.0 | 64.4 | 64.7 | 64.8 | 65.0 | 65.0  | 65.0  | 65.1 | 65.1  | 65.2   | 65.2  |
| 18000           | 39.6                     | 57.9 | 60.9 | 63.1 | 64.2 | 64.6 | 65.0 | 65.3 | 65.3 | 65.6 | 65.6  | 65.6  | 65.7 | 65.7  | 65.8   | 65.8  |
| 16000           | 40.0                     | 58.5 | 61.6 | 63.8 | 65.0 | 65.3 | 65.7 | 66.0 | 66.1 | 66.4 | 66.4  | 66.4  | 66.5 | 66.5  | 66.6   | 66.6  |
| 14000           | 41.3                     | 60.3 | 63.5 | 65.8 | 67.0 | 67.4 | 67.8 | 68.1 | 68.2 | 68.4 | 68.5  | 68.5  | 68.5 | 68.6  | 68.6   | 68.6  |
| 12000           | 42.9                     | 64.3 | 67.6 | 70.1 | 71.3 | 71.7 | 72.2 | 72.5 | 72.6 | 72.9 | 73.0  | 73.0  | 73.1 | 73.1  | 73.1   | 73.1  |
| 10000           | 45.1                     | 68.5 | 72.2 | 74.9 | 76.3 | 76.7 | 77.2 | 77.6 | 77.6 | 78.0 | 78.1  | 78.1  | 78.1 | 78.2  | 78.2   | 78.2  |
| 9000            | 45.8                     | 69.7 | 73.4 | 76.2 | 77.6 | 78.0 | 78.5 | 78.9 | 79.0 | 79.3 | 79.4  | 79.4  | 79.4 | 79.5  | 79.5   | 79.5  |
| 8000            | 46.9                     | 71.9 | 75.8 | 78.8 | 80.3 | 80.8 | 81.3 | 81.7 | 81.7 | 82.1 | 82.2  | 82.2  | 82.2 | 82.3  | 82.3   | 82.3  |
| 7000            | 47.5                     | 73.2 | 77.3 | 80.3 | 81.9 | 82.3 | 82.8 | 83.2 | 83.3 | 83.6 | 83.7  | 83.7  | 83.8 | 83.8  | 83.8   | 83.8  |
| 6000            | 47.9                     | 73.9 | 78.0 | 81.0 | 82.7 | 83.1 | 83.6 | 84.0 | 84.1 | 84.4 | 84.5  | 84.5  | 84.6 | 84.6  | 84.7   | 84.7  |
| 5000            | 48.4                     | 75.0 | 79.1 | 82.2 | 83.8 | 84.3 | 84.8 | 85.2 | 85.3 | 85.6 | 85.7  | 85.7  | 85.8 | 85.8  | 85.9   | 85.9  |
| 4500            | 48.8                     | 75.6 | 79.8 | 82.9 | 84.5 | 85.0 | 85.6 | 85.9 | 86.0 | 86.3 | 86.4  | 86.4  | 86.5 | 86.5  | 86.6   | 86.6  |
| 4000            | 49.6                     | 76.9 | 81.2 | 84.5 | 86.2 | 86.7 | 87.2 | 87.6 | 87.7 | 88.0 | 88.1  | 88.1  | 88.2 | 88.2  | 88.3   | 88.3  |
| 3500            | 49.9                     | 77.7 | 82.1 | 85.4 | 87.1 | 87.6 | 88.1 | 88.5 | 88.6 | 88.9 | 89.0  | 89.0  | 89.1 | 89.1  | 89.2   | 89.2  |
| 3000            | 50.5                     | 79.3 | 83.8 | 87.3 | 89.0 | 89.5 | 90.1 | 90.5 | 90.6 | 90.9 | 91.0  | 91.0  | 91.1 | 91.1  | 91.2   | 91.2  |
| 2500            | 50.9                     | 80.4 | 85.0 | 88.5 | 90.4 | 90.9 | 91.5 | 91.8 | 91.9 | 92.3 | 92.3  | 92.4  | 92.4 | 92.5  | 92.5   | 92.5  |
| 2000            | 51.1                     | 81.1 | 85.8 | 89.5 | 91.4 | 91.9 | 92.5 | 92.9 | 93.0 | 93.4 | 93.4  | 93.5  | 93.5 | 93.6  | 93.6   | 93.6  |
| 1800            | 51.1                     | 81.4 | 86.1 | 89.8 | 91.7 | 92.2 | 92.8 | 93.2 | 93.3 | 93.7 | 93.7  | 93.8  | 93.8 | 93.9  | 93.9   | 93.9  |
| 1500            | 51.3                     | 81.9 | 86.7 | 90.5 | 92.6 | 93.1 | 93.8 | 94.2 | 94.3 | 94.6 | 94.7  | 94.7  | 94.8 | 94.8  | 94.9   | 94.9  |
| 1200            | 51.5                     | 82.5 | 87.4 | 91.2 | 93.4 | 94.0 | 94.7 | 95.1 | 95.3 | 95.6 | 95.7  | 95.7  | 95.8 | 95.8  | 95.9   | 95.9  |
| 1000            | 51.6                     | 83.1 | 88.3 | 92.2 | 94.6 | 95.2 | 96.1 | 96.5 | 96.7 | 97.1 | 97.1  | 97.2  | 97.3 | 97.3  | 97.4   | 97.4  |
| 900             | 51.7                     | 83.3 | 88.4 | 92.3 | 94.8 | 95.4 | 96.3 | 96.8 | 96.9 | 97.3 | 97.4  | 97.4  | 97.5 | 97.6  | 97.6   | 97.6  |
| 800             | 51.7                     | 83.4 | 88.6 | 92.6 | 95.1 | 95.7 | 96.6 | 97.1 | 97.2 | 97.7 | 97.7  | 97.7  | 97.8 | 97.9  | 98.0   | 98.0  |
| 700             | 51.7                     | 83.6 | 88.7 | 92.7 | 95.3 | 96.0 | 96.9 | 97.4 | 97.5 | 97.9 | 98.0  | 98.0  | 98.2 | 98.2  | 98.3   | 98.3  |
| 600             | 51.7                     | 83.6 | 88.8 | 92.8 | 95.5 | 96.2 | 97.1 | 97.7 | 97.8 | 98.3 | 98.3  | 98.3  | 98.5 | 98.5  | 98.6   | 98.6  |
| 500             | 51.7                     | 83.8 | 89.0 | 93.1 | 96.0 | 96.7 | 97.8 | 98.4 | 98.5 | 99.0 | 99.1  | 99.1  | 99.3 | 99.3  | 99.4   | 99.4  |
| 400             | 51.7                     | 83.8 | 89.0 | 93.1 | 96.0 | 96.8 | 97.9 | 98.5 | 98.6 | 99.2 | 99.3  | 99.3  | 99.5 | 99.5  | 99.6   | 99.6  |
| 300             | 51.7                     | 83.8 | 89.0 | 93.1 | 96.0 | 96.8 | 97.9 | 98.6 | 98.7 | 99.4 | 99.4  | 99.5  | 99.7 | 99.7  | 99.8   | 99.8  |
| 200             | 51.7                     | 83.8 | 89.0 | 93.1 | 96.0 | 96.8 | 97.9 | 98.6 | 98.7 | 99.4 | 99.5  | 99.5  | 99.8 | 99.8  | 99.9   | 99.9  |
| 100             | 51.7                     | 83.8 | 89.0 | 93.1 | 96.0 | 96.8 | 97.9 | 98.6 | 98.7 | 99.4 | 99.5  | 99.5  | 99.8 | 99.8  | 99.9   | 99.9  |
| 0               | 51.7                     | 83.8 | 89.0 | 93.1 | 96.0 | 96.8 | 97.9 | 98.6 | 98.7 | 99.4 | 99.5  | 99.5  | 99.8 | 99.8  | 99.9   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7880

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

46-57  
YEAR

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0000  
TIME

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |       |       |       |        |        |        |         |         |         |
|-----------------|----------------------------|------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|---------|---------|---------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 1  | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 1/128 | ≥ 1/256 | ≥ 1/512 |
| NO CEILING      | 26.1                       | 52.4 | 56.6 | 58.9 | 61.6 | 60.6 | 61.8 | 63.0  | 63.0  | 64.4  | 64.4   | 64.4   | 64.9   | 64.9    | 65.1    | 65.1    |
| ≥ 20000         | 27.1                       | 55.5 | 59.7 | 62.2 | 63.9 | 63.9 | 65.1 | 66.2  | 66.2  | 67.6  | 67.6   | 67.6   | 68.2   | 68.2    | 68.3    | 68.3    |
| ≥ 18000         | 27.1                       | 55.8 | 60.0 | 62.5 | 64.2 | 64.2 | 65.4 | 66.6  | 66.6  | 68.0  | 68.0   | 68.0   | 68.5   | 68.5    | 68.6    | 68.6    |
| ≥ 6000          | 27.1                       | 55.8 | 60.0 | 62.5 | 64.2 | 64.2 | 65.4 | 66.6  | 66.6  | 68.0  | 68.0   | 68.0   | 68.5   | 68.5    | 68.6    | 68.6    |
| ≥ 4000          | 27.2                       | 56.8 | 61.0 | 63.4 | 65.2 | 65.2 | 66.3 | 67.5  | 67.5  | 68.9  | 68.9   | 68.9   | 69.5   | 69.5    | 69.6    | 69.6    |
| ≥ 3200          | 27.6                       | 58.1 | 62.7 | 65.2 | 66.9 | 67.0 | 68.2 | 69.4  | 69.4  | 70.8  | 70.8   | 70.8   | 71.3   | 71.3    | 71.4    | 71.4    |
| ≥ 1500          | 29.8                       | 61.8 | 67.1 | 69.7 | 71.5 | 71.6 | 72.8 | 74.0  | 74.0  | 75.4  | 75.4   | 75.4   | 75.9   | 75.9    | 76.0    | 76.0    |
| ≥ 900           | 29.9                       | 62.5 | 67.7 | 70.3 | 72.2 | 72.5 | 73.9 | 75.1  | 75.1  | 76.6  | 76.6   | 76.6   | 77.1   | 77.1    | 77.2    | 77.2    |
| ≥ 800           | 31.2                       | 64.5 | 69.8 | 72.4 | 74.2 | 74.5 | 75.9 | 77.1  | 77.1  | 78.6  | 78.6   | 78.6   | 79.1   | 79.1    | 79.2    | 79.2    |
| ≥ 700           | 31.9                       | 65.9 | 71.4 | 74.1 | 75.9 | 76.2 | 77.6 | 78.8  | 78.8  | 80.3  | 80.3   | 80.3   | 80.9   | 80.9    | 81.0    | 81.0    |
| ≥ 600           | 32.3                       | 66.3 | 72.2 | 75.1 | 76.9 | 77.2 | 78.6 | 79.8  | 79.8  | 81.3  | 81.3   | 81.3   | 81.8   | 81.8    | 81.9    | 81.9    |
| ≥ 500           | 32.3                       | 66.8 | 72.6 | 75.6 | 77.5 | 77.8 | 79.2 | 80.4  | 80.4  | 81.9  | 81.9   | 81.9   | 82.5   | 82.5    | 82.6    | 82.6    |
| ≥ 450           | 32.3                       | 66.9 | 72.8 | 75.9 | 78.0 | 78.3 | 79.7 | 80.9  | 80.9  | 82.4  | 82.4   | 82.4   | 82.9   | 82.9    | 83.0    | 83.0    |
| ≥ 400           | 32.3                       | 68.1 | 74.1 | 77.3 | 79.5 | 79.8 | 81.2 | 82.4  | 82.4  | 83.9  | 83.9   | 83.9   | 84.4   | 84.4    | 84.5    | 84.5    |
| ≥ 350           | 32.3                       | 68.1 | 74.1 | 77.4 | 79.8 | 80.1 | 81.5 | 82.7  | 82.7  | 84.2  | 84.2   | 84.2   | 84.7   | 84.7    | 84.8    | 84.8    |
| ≥ 300           | 32.3                       | 69.6 | 75.8 | 79.7 | 82.0 | 82.4 | 83.9 | 85.1  | 85.1  | 86.6  | 86.6   | 86.6   | 87.1   | 87.1    | 87.2    | 87.2    |
| ≥ 250           | 32.4                       | 71.5 | 78.4 | 82.3 | 84.7 | 85.1 | 86.7 | 87.8  | 87.8  | 89.4  | 89.4   | 89.4   | 89.9   | 89.9    | 90.0    | 90.0    |
| ≥ 200           | 32.9                       | 72.8 | 79.7 | 83.7 | 86.1 | 86.5 | 88.3 | 89.5  | 89.5  | 91.2  | 91.2   | 91.2   | 91.7   | 91.7    | 91.8    | 91.8    |
| ≥ 80            | 32.9                       | 72.8 | 79.7 | 83.7 | 86.1 | 86.5 | 88.4 | 89.8  | 89.8  | 91.5  | 91.5   | 91.5   | 92.0   | 92.0    | 92.2    | 92.2    |
| ≥ 150           | 33.1                       | 74.0 | 81.0 | 84.9 | 87.5 | 87.8 | 89.8 | 91.3  | 91.3  | 93.0  | 93.0   | 93.0   | 93.5   | 93.5    | 93.7    | 93.7    |
| ≥ 200           | 33.3                       | 75.3 | 82.4 | 87.1 | 89.7 | 90.0 | 91.9 | 93.4  | 93.4  | 95.2  | 95.2   | 95.2   | 95.7   | 95.7    | 95.8    | 95.8    |
| ≥ 100           | 33.4                       | 76.0 | 83.1 | 88.1 | 90.8 | 91.1 | 93.0 | 94.6  | 94.6  | 96.3  | 96.3   | 96.3   | 96.9   | 96.9    | 97.0    | 97.0    |
| ≥ 90            | 33.4                       | 76.2 | 83.3 | 88.4 | 91.2 | 91.5 | 93.4 | 95.1  | 95.1  | 96.8  | 96.8   | 96.8   | 97.3   | 97.3    | 97.4    | 97.4    |
| ≥ 80            | 33.4                       | 76.6 | 83.7 | 88.7 | 91.6 | 91.9 | 93.9 | 95.5  | 95.5  | 97.2  | 97.2   | 97.2   | 97.7   | 97.7    | 97.8    | 97.8    |
| ≥ 70            | 33.4                       | 76.6 | 83.7 | 88.8 | 92.2 | 92.5 | 94.6 | 96.3  | 96.3  | 98.1  | 98.1   | 98.1   | 98.6   | 98.6    | 98.7    | 98.7    |
| ≥ 60            | 33.4                       | 76.6 | 83.8 | 89.0 | 92.4 | 92.7 | 94.9 | 96.7  | 96.7  | 98.4  | 98.4   | 98.4   | 98.9   | 98.9    | 99.0    | 99.0    |
| ≥ 50            | 33.4                       | 76.7 | 83.9 | 89.1 | 92.6 | 92.9 | 95.3 | 97.1  | 97.1  | 99.1  | 99.1   | 99.1   | 99.7   | 99.7    | 99.8    | 99.8    |
| ≥ 40            | 33.4                       | 76.8 | 84.0 | 89.2 | 92.7 | 93.0 | 95.4 | 97.2  | 97.2  | 99.2  | 99.2   | 99.2   | 99.8   | 99.8    | 99.9    | 99.9    |
| ≥ 30            | 33.4                       | 76.8 | 84.0 | 89.2 | 92.7 | 93.0 | 95.4 | 97.2  | 97.2  | 99.4  | 99.4   | 99.4   | 99.9   | 99.9    | 100.0   | 100.0   |
| ≥ 20            | 33.4                       | 76.8 | 84.0 | 89.2 | 92.7 | 93.0 | 95.4 | 97.2  | 97.2  | 99.4  | 99.4   | 99.4   | 99.9   | 99.9    | 100.0   | 100.0   |
| ≥ 10            | 33.4                       | 76.8 | 84.0 | 89.2 | 92.7 | 93.0 | 95.4 | 97.2  | 97.2  | 99.4  | 99.4   | 99.4   | 99.9   | 99.9    | 100.0   | 100.0   |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MO

46-57

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

300-6500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |       |      |       |        |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 |
| NO CEILING      | 18.9                     | 43.0 | 46.3 | 49.8 | 51.6 | 52.6 | 54.3 | 55.1 | 55.7 | 57.0 | 57.2  | 57.2  | 57.6 | 57.6  | 58.1   | 58.3  |
| ≥ 20000         | 19.9                     | 44.9 | 48.5 | 52.0 | 54.0 | 54.9 | 56.8 | 57.5 | 57.6 | 59.5 | 59.7  | 59.7  | 60.1 | 60.1  | 60.5   | 60.9  |
| ≥ 18000         | 19.9                     | 45.6 | 49.2 | 52.6 | 54.7 | 55.7 | 57.5 | 58.3 | 58.4 | 60.2 | 60.4  | 60.4  | 60.9 | 60.9  | 61.3   | 61.6  |
| ≥ 16000         | 20.0                     | 45.7 | 49.4 | 52.9 | 54.8 | 55.8 | 57.6 | 58.4 | 58.5 | 60.3 | 60.5  | 60.5  | 61.0 | 61.0  | 61.4   | 61.7  |
| ≥ 14000         | 20.6                     | 46.8 | 50.4 | 54.0 | 55.9 | 56.9 | 58.7 | 59.5 | 59.6 | 61.4 | 61.6  | 61.6  | 62.0 | 62.0  | 62.5   | 62.8  |
| ≥ 12000         | 21.5                     | 48.4 | 52.5 | 56.1 | 58.3 | 59.2 | 61.3 | 62.4 | 62.5 | 64.3 | 64.5  | 64.5  | 64.9 | 64.9  | 65.4   | 65.7  |
| ≥ 10000         | 22.6                     | 52.3 | 57.0 | 61.0 | 63.3 | 64.4 | 66.5 | 67.5 | 67.6 | 69.5 | 69.7  | 69.7  | 70.1 | 70.1  | 70.6   | 71.0  |
| ≥ 9000          | 22.9                     | 52.9 | 57.6 | 61.6 | 64.0 | 65.1 | 67.9 | 68.5 | 68.6 | 70.5 | 70.8  | 70.8  | 71.2 | 71.2  | 71.7   | 72.0  |
| ≥ 8000          | 23.8                     | 54.2 | 59.4 | 63.3 | 65.8 | 66.9 | 69.2 | 70.3 | 70.4 | 72.5 | 72.7  | 72.7  | 73.1 | 73.1  | 73.7   | 74.0  |
| ≥ 7000          | 24.0                     | 55.6 | 61.0 | 65.3 | 67.7 | 69.0 | 71.9 | 72.5 | 72.6 | 74.6 | 74.8  | 74.8  | 75.3 | 75.3  | 75.8   | 76.1  |
| ≥ 6000          | 24.3                     | 56.5 | 61.8 | 66.2 | 68.7 | 70.0 | 72.4 | 73.4 | 73.5 | 75.6 | 75.8  | 75.8  | 76.2 | 76.2  | 76.8   | 77.1  |
| ≥ 5000          | 24.4                     | 57.2 | 62.8 | 67.2 | 69.8 | 71.1 | 73.9 | 74.5 | 74.6 | 76.7 | 76.9  | 76.9  | 77.3 | 77.3  | 77.8   | 78.2  |
| ≥ 4500          | 24.4                     | 57.8 | 63.4 | 68.2 | 70.9 | 72.2 | 74.5 | 75.6 | 75.7 | 77.7 | 78.0  | 78.0  | 78.4 | 78.4  | 78.9   | 79.2  |
| ≥ 4000          | 24.4                     | 58.5 | 64.3 | 69.4 | 72.0 | 73.3 | 75.7 | 76.8 | 76.9 | 78.9 | 79.1  | 79.1  | 79.6 | 79.6  | 80.1   | 80.4  |
| ≥ 3500          | 24.5                     | 58.9 | 64.8 | 70.0 | 72.8 | 74.1 | 76.6 | 77.6 | 77.7 | 79.8 | 80.0  | 80.0  | 80.4 | 80.4  | 81.0   | 81.3  |
| ≥ 3000          | 24.7                     | 60.3 | 66.2 | 71.6 | 74.7 | 76.0 | 78.7 | 80.0 | 80.1 | 82.2 | 82.4  | 82.4  | 82.8 | 82.8  | 83.3   | 83.7  |
| ≥ 2500          | 24.9                     | 61.5 | 68.1 | 73.7 | 76.8 | 78.1 | 80.9 | 82.2 | 82.3 | 84.3 | 84.5  | 84.5  | 84.9 | 84.9  | 85.5   | 85.8  |
| ≥ 2000          | 25.2                     | 62.6 | 69.4 | 74.9 | 78.2 | 79.5 | 82.3 | 83.7 | 83.8 | 85.8 | 86.0  | 86.0  | 86.5 | 86.5  | 87.0   | 87.3  |
| ≥ 1800          | 25.2                     | 62.6 | 69.4 | 74.9 | 78.2 | 79.5 | 82.4 | 83.8 | 83.9 | 85.9 | 86.1  | 86.1  | 86.6 | 86.6  | 87.1   | 87.4  |
| ≥ 1500          | 25.3                     | 63.8 | 70.5 | 76.2 | 80.0 | 81.4 | 84.4 | 85.9 | 86.1 | 88.2 | 88.4  | 88.4  | 88.8 | 88.8  | 89.4   | 89.7  |
| ≥ 1200          | 25.5                     | 64.9 | 71.8 | 77.6 | 81.7 | 83.1 | 86.2 | 87.7 | 88.0 | 90.0 | 90.2  | 90.2  | 90.6 | 90.6  | 91.2   | 91.5  |
| ≥ 1000          | 25.7                     | 65.7 | 72.8 | 78.7 | 83.0 | 84.5 | 87.7 | 89.4 | 89.6 | 91.8 | 92.0  | 92.0  | 92.6 | 92.6  | 93.1   | 93.4  |
| ≥ 900           | 25.7                     | 66.5 | 73.8 | 79.7 | 84.1 | 85.6 | 89.0 | 90.6 | 90.9 | 93.1 | 93.3  | 93.3  | 93.9 | 93.9  | 94.4   | 94.7  |
| ≥ 800           | 25.7                     | 66.6 | 73.9 | 79.8 | 84.2 | 85.7 | 89.1 | 90.8 | 91.0 | 93.4 | 93.7  | 93.7  | 94.2 | 94.2  | 94.7   | 95.1  |
| ≥ 700           | 25.7                     | 66.8 | 74.2 | 80.2 | 84.8 | 86.3 | 89.8 | 91.5 | 91.7 | 94.2 | 94.4  | 94.4  | 94.9 | 94.9  | 95.6   | 95.9  |
| ≥ 600           | 25.7                     | 66.8 | 74.2 | 80.3 | 84.9 | 86.5 | 90.0 | 91.7 | 92.0 | 94.5 | 94.7  | 94.7  | 95.3 | 95.3  | 95.9   | 96.2  |
| ≥ 500           | 25.7                     | 66.8 | 74.2 | 80.4 | 85.1 | 86.6 | 90.3 | 92.0 | 92.4 | 94.8 | 95.1  | 95.1  | 95.6 | 95.6  | 96.3   | 96.7  |
| ≥ 400           | 25.7                     | 67.0 | 74.4 | 80.6 | 85.5 | 87.0 | 90.8 | 92.5 | 92.8 | 95.3 | 95.5  | 95.5  | 96.1 | 96.1  | 97.0   | 97.3  |
| ≥ 300           | 25.7                     | 67.0 | 74.4 | 80.6 | 85.5 | 87.0 | 90.8 | 92.7 | 93.2 | 95.8 | 96.0  | 96.0  | 96.8 | 96.8  | 97.6   | 98.0  |
| ≥ 200           | 25.7                     | 67.0 | 74.4 | 80.6 | 85.5 | 87.0 | 90.8 | 92.7 | 93.2 | 95.8 | 96.1  | 96.2  | 97.2 | 97.2  | 98.1   | 98.4  |
| ≥ 100           | 25.7                     | 67.0 | 74.4 | 80.6 | 85.5 | 87.0 | 90.8 | 92.8 | 93.3 | 95.9 | 96.2  | 96.3  | 97.3 | 97.3  | 98.2   | 98.7  |
| ≥ 50            | 25.7                     | 67.0 | 74.4 | 80.6 | 85.5 | 87.0 | 90.8 | 92.8 | 93.3 | 95.9 | 96.2  | 96.3  | 97.3 | 97.4  | 98.4   | 98.0  |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
TIME

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                      | ≥8   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1.2 | ≥1   | ≥0.8 | ≥0.6 | ≥0.5 | ≥0.4 | ≥0.3 | ≥0.2  |
| NO CEILING      | 18.7                     | 36.2 | 39.6 | 43.9 | 45.5 | 46.3 | 47.7 | 48.4 | 48.4 | 48.7 | 48.7 | 48.8 | 48.9 | 48.9 | 48.9 | 48.9  |
| ≥ 20000         | 21.2                     | 40.1 | 43.5 | 48.3 | 50.0 | 50.9 | 52.3 | 52.9 | 52.9 | 53.2 | 53.2 | 53.3 | 53.5 | 53.5 | 53.5 | 53.5  |
| ≥ 18000         | 21.2                     | 40.2 | 43.7 | 48.4 | 50.1 | 51.0 | 52.4 | 53.0 | 53.0 | 53.3 | 53.3 | 53.4 | 53.7 | 53.7 | 53.7 | 53.7  |
| ≥ 16000         | 21.4                     | 40.4 | 43.9 | 48.6 | 50.3 | 51.2 | 52.6 | 53.3 | 53.3 | 53.7 | 53.7 | 53.8 | 54.0 | 54.0 | 54.0 | 54.0  |
| ≥ 14000         | 21.7                     | 41.3 | 44.7 | 49.7 | 51.4 | 52.3 | 53.7 | 54.4 | 54.4 | 54.7 | 54.7 | 54.8 | 55.1 | 55.1 | 55.1 | 55.1  |
| ≥ 12000         | 22.5                     | 44.1 | 47.7 | 52.9 | 54.9 | 55.8 | 57.3 | 58.3 | 58.3 | 58.6 | 58.6 | 58.7 | 58.9 | 58.9 | 58.9 | 58.9  |
| ≥ 10000         | 23.8                     | 48.6 | 53.1 | 58.5 | 61.2 | 62.5 | 64.3 | 65.3 | 65.3 | 65.6 | 65.6 | 65.7 | 66.0 | 66.0 | 66.0 | 66.0  |
| ≥ 9000          | 24.0                     | 49.1 | 53.8 | 59.1 | 61.8 | 63.1 | 64.9 | 65.9 | 65.9 | 66.2 | 66.2 | 66.3 | 66.7 | 66.7 | 66.7 | 66.7  |
| ≥ 8000          | 24.5                     | 51.2 | 55.9 | 61.3 | 64.5 | 65.9 | 67.8 | 68.9 | 68.9 | 69.5 | 69.5 | 69.6 | 69.9 | 69.9 | 69.9 | 69.9  |
| ≥ 7000          | 24.6                     | 51.5 | 56.6 | 61.9 | 65.5 | 67.1 | 69.0 | 70.1 | 70.2 | 70.8 | 70.8 | 70.9 | 71.2 | 71.2 | 71.2 | 71.2  |
| ≥ 6000          | 25.1                     | 52.4 | 57.4 | 62.6 | 66.5 | 68.1 | 70.0 | 71.1 | 71.2 | 71.7 | 71.7 | 71.8 | 72.2 | 72.2 | 72.2 | 72.2  |
| ≥ 5000          | 25.5                     | 53.2 | 58.6 | 64.2 | 67.8 | 69.6 | 71.5 | 72.6 | 72.7 | 73.2 | 73.2 | 73.3 | 73.7 | 73.7 | 73.7 | 73.7  |
| ≥ 4500          | 25.6                     | 53.8 | 59.4 | 64.9 | 68.9 | 70.6 | 72.6 | 73.7 | 73.8 | 74.3 | 74.3 | 74.4 | 74.7 | 74.7 | 74.7 | 74.7  |
| ≥ 4000          | 26.0                     | 54.9 | 60.6 | 66.5 | 70.6 | 72.5 | 74.4 | 75.5 | 75.6 | 76.1 | 76.1 | 76.2 | 76.6 | 76.6 | 76.6 | 76.6  |
| ≥ 3500          | 26.1                     | 55.4 | 61.1 | 66.9 | 71.2 | 73.0 | 74.9 | 76.0 | 76.1 | 76.7 | 76.7 | 76.8 | 77.1 | 77.1 | 77.1 | 77.1  |
| ≥ 3000          | 26.6                     | 56.2 | 62.3 | 68.2 | 72.8 | 74.7 | 76.9 | 78.0 | 78.1 | 78.6 | 78.6 | 78.7 | 79.0 | 79.0 | 79.0 | 79.0  |
| ≥ 2500          | 26.7                     | 57.2 | 63.4 | 69.4 | 74.0 | 76.1 | 78.4 | 79.6 | 79.7 | 80.2 | 80.2 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6  |
| ≥ 2000          | 27.2                     | 59.1 | 65.5 | 71.5 | 76.3 | 78.5 | 81.0 | 82.4 | 82.5 | 83.1 | 83.1 | 83.2 | 83.5 | 83.5 | 83.5 | 83.5  |
| ≥ 1800          | 27.2                     | 59.2 | 65.6 | 71.6 | 76.5 | 78.6 | 81.1 | 82.5 | 82.6 | 83.2 | 83.2 | 83.3 | 83.7 | 83.7 | 83.7 | 83.7  |
| ≥ 1500          | 27.3                     | 60.9 | 67.2 | 73.5 | 78.6 | 80.8 | 83.4 | 85.1 | 85.2 | 85.9 | 85.9 | 86.0 | 86.3 | 86.3 | 86.3 | 86.3  |
| ≥ 1200          | 28.3                     | 61.9 | 68.4 | 74.9 | 80.2 | 82.5 | 85.2 | 86.8 | 86.9 | 87.7 | 87.7 | 87.8 | 88.2 | 88.2 | 88.2 | 88.2  |
| ≥ 1000          | 28.3                     | 62.7 | 69.5 | 76.2 | 81.7 | 84.2 | 87.2 | 88.9 | 89.1 | 90.4 | 90.4 | 90.5 | 91.0 | 91.0 | 91.0 | 91.0  |
| ≥ 900           | 28.3                     | 63.0 | 69.8 | 76.6 | 82.0 | 84.6 | 87.6 | 89.6 | 89.8 | 91.1 | 91.1 | 91.2 | 91.6 | 91.6 | 91.6 | 91.6  |
| ≥ 800           | 28.4                     | 63.2 | 70.0 | 76.9 | 82.5 | 85.2 | 88.3 | 90.3 | 90.5 | 91.9 | 91.9 | 92.0 | 92.5 | 92.5 | 92.5 | 92.5  |
| ≥ 700           | 28.4                     | 63.2 | 70.0 | 76.9 | 82.9 | 85.7 | 89.0 | 91.6 | 91.8 | 93.3 | 93.3 | 93.4 | 94.1 | 94.1 | 94.1 | 94.1  |
| ≥ 600           | 28.4                     | 63.3 | 70.1 | 77.2 | 83.2 | 86.3 | 89.7 | 92.5 | 92.7 | 94.2 | 94.2 | 94.3 | 94.9 | 94.9 | 94.9 | 94.9  |
| ≥ 500           | 28.4                     | 63.5 | 70.3 | 77.4 | 83.8 | 86.9 | 90.5 | 93.4 | 93.7 | 95.4 | 95.7 | 95.8 | 96.5 | 96.5 | 96.5 | 96.5  |
| ≥ 400           | 28.4                     | 63.7 | 70.4 | 77.6 | 84.1 | 87.2 | 90.9 | 94.0 | 94.2 | 95.9 | 96.2 | 96.5 | 97.1 | 97.1 | 97.1 | 97.2  |
| ≥ 300           | 28.4                     | 63.7 | 70.4 | 77.6 | 84.1 | 87.5 | 91.3 | 94.6 | 94.8 | 96.6 | 96.9 | 97.2 | 98.0 | 98.0 | 98.0 | 98.2  |
| ≥ 200           | 28.4                     | 63.7 | 70.4 | 77.6 | 84.1 | 87.5 | 91.3 | 94.6 | 94.8 | 96.6 | 97.0 | 97.3 | 98.3 | 98.4 | 98.5 | 98.7  |
| ≥ 100           | 28.4                     | 63.7 | 70.4 | 77.6 | 84.1 | 87.5 | 91.3 | 94.6 | 94.8 | 96.6 | 97.1 | 97.4 | 98.5 | 98.7 | 99.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

48-57

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

900-1100

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |      |      |      |      |       |       |      |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0  |
| NO CEILING      | 31.3                     | 45.8 | 47.1 | 47.6 | 48.4 | 48.4  | 48.5 | 48.5  | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6  | 48.6  | 48.6 |
| ≥ 20000         | 35.4                     | 51.6 | 53.0 | 53.7 | 54.8 | 54.5  | 54.6 | 54.6  | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7  | 54.7  | 54.7 |
| ≥ 18000         | 35.6                     | 51.8 | 53.2 | 53.9 | 54.6 | 54.7  | 54.8 | 54.8  | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9  | 54.9  | 54.9 |
| ≥ 16000         | 36.0                     | 52.3 | 53.7 | 54.3 | 55.1 | 55.2  | 55.3 | 55.3  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4  | 55.4  | 55.4 |
| ≥ 14000         | 36.6                     | 53.3 | 54.8 | 55.6 | 56.3 | 56.5  | 56.6 | 56.6  | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7  | 56.7  | 56.7 |
| ≥ 12000         | 37.6                     | 55.4 | 57.2 | 58.2 | 58.9 | 59.0  | 59.2 | 59.2  | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4  | 59.4  | 59.4 |
| ≥ 10000         | 40.1                     | 60.2 | 62.4 | 63.4 | 64.3 | 64.4  | 64.6 | 64.6  | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7  | 64.7  | 64.7 |
| ≥ 9000          | 40.3                     | 60.6 | 62.8 | 64.0 | 64.8 | 64.9  | 65.2 | 65.2  | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3  | 65.3  | 65.3 |
| ≥ 8000          | 41.5                     | 62.9 | 65.2 | 66.5 | 67.4 | 67.5  | 67.7 | 67.7  | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8  | 67.8  | 67.8 |
| ≥ 7000          | 41.8                     | 64.1 | 66.6 | 67.8 | 68.8 | 68.9  | 69.1 | 69.1  | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2  | 69.2 |
| ≥ 6000          | 42.4                     | 65.3 | 67.7 | 69.0 | 70.0 | 70.1  | 70.3 | 70.3  | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5  | 70.5  | 70.5 |
| ≥ 5000          | 42.8                     | 66.1 | 68.6 | 70.1 | 71.2 | 71.3  | 71.5 | 71.5  | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7  | 71.7  | 71.7 |
| ≥ 4500          | 43.3                     | 66.8 | 69.2 | 70.9 | 71.9 | 72.0  | 72.3 | 72.3  | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5  | 72.5  | 72.5 |
| ≥ 4000          | 44.5                     | 68.9 | 71.5 | 73.1 | 74.2 | 74.3  | 74.5 | 74.6  | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8  | 74.8  | 74.8 |
| ≥ 3500          | 45.4                     | 70.4 | 73.0 | 74.6 | 75.7 | 75.8  | 76.0 | 76.1  | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3  | 76.3  | 76.3 |
| ≥ 3000          | 46.3                     | 72.4 | 75.1 | 76.8 | 78.0 | 78.2  | 78.4 | 78.5  | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7  | 78.7  | 78.7 |
| ≥ 2500          | 47.5                     | 74.2 | 77.2 | 79.1 | 80.3 | 80.5  | 80.9 | 81.1  | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3  | 81.3  | 81.3 |
| ≥ 2000          | 49.6                     | 77.7 | 81.3 | 83.0 | 84.2 | 84.4  | 84.8 | 85.1  | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3  | 85.3  | 85.3 |
| ≥ 1800          | 49.7                     | 78.1 | 81.3 | 83.4 | 84.6 | 84.8  | 85.3 | 85.5  | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7  | 85.7  | 85.7 |
| ≥ 1600          | 50.5                     | 80.2 | 83.9 | 86.5 | 87.8 | 88.3  | 88.7 | 89.1  | 89.2 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6  | 89.6  | 89.6 |
| ≥ 1400          | 50.6                     | 81.5 | 85.6 | 88.3 | 89.9 | 90.5  | 91.1 | 91.5  | 91.7 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0  | 92.0  | 92.0 |
| ≥ 1200          | 51.1                     | 82.9 | 87.3 | 90.1 | 92.4 | 93.2  | 94.0 | 94.6  | 94.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3  | 95.3  | 95.3 |
| ≥ 1000          | 51.1                     | 83.0 | 87.4 | 90.3 | 92.6 | 93.5  | 94.7 | 95.4  | 95.6 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0  | 96.0  | 96.0 |
| ≥ 900           | 51.4                     | 83.5 | 88.0 | 91.2 | 93.7 | 94.7  | 96.2 | 97.1  | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7  | 97.7  | 97.7 |
| ≥ 800           | 51.4                     | 83.7 | 88.2 | 91.5 | 94.2 | 95.3  | 97.0 | 97.8  | 98.1 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8  | 98.8  | 98.8 |
| ≥ 700           | 51.4                     | 83.8 | 88.3 | 91.6 | 94.3 | 95.4  | 97.1 | 98.1  | 98.3 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0  | 99.0  | 99.0 |
| ≥ 600           | 51.4                     | 83.8 | 88.3 | 91.9 | 94.7 | 95.8  | 97.7 | 98.7  | 98.9 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7  | 99.7  | 99.7 |
| ≥ 500           | 51.4                     | 83.8 | 88.3 | 91.9 | 94.7 | 95.9  | 98.0 | 98.9  | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9 |
| ≥ 400           | 51.4                     | 83.8 | 88.3 | 91.9 | 94.7 | 95.9  | 98.0 | 98.9  | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9 |
| ≥ 300           | 51.4                     | 83.8 | 88.3 | 91.9 | 94.7 | 95.9  | 98.0 | 98.9  | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9 |
| ≥ 200           | 51.4                     | 83.8 | 88.3 | 91.9 | 94.7 | 95.9  | 98.0 | 98.9  | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9 |
| ≥ 100           | 51.4                     | 83.8 | 88.3 | 91.9 | 94.7 | 95.9  | 98.0 | 98.9  | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9 |
| ≥ 0             | 51.4                     | 83.8 | 88.3 | 91.9 | 94.7 | 95.9  | 98.0 | 98.9  | 99.1 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEAR

AUG  
MO

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
TIME

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ 0   |
| NO CEILING      | 37.7                     | 48.2 | 48.3 | 49.1 | 49.7 | 49.7  | 49.7 | 49.7  | 49.7 | 49.7  | 49.7 | 49.7  | 49.7 | 49.7  | 49.7  | 49.7  |
| ≥ 20000         | 43.5                     | 55.3 | 55.5 | 56.3 | 56.9 | 56.9  | 56.9 | 56.9  | 56.9 | 56.9  | 56.9 | 56.9  | 56.9 | 56.9  | 56.9  | 56.9  |
| ≥ 18000         | 44.1                     | 56.0 | 56.2 | 57.1 | 57.6 | 57.6  | 57.6 | 57.6  | 57.6 | 57.6  | 57.6 | 57.6  | 57.6 | 57.6  | 57.6  | 57.6  |
| ≥ 16000         | 44.3                     | 56.2 | 56.5 | 57.3 | 57.8 | 57.8  | 57.8 | 57.8  | 57.8 | 57.8  | 57.8 | 57.8  | 57.8 | 57.8  | 57.8  | 57.8  |
| ≥ 14000         | 45.7                     | 58.5 | 58.8 | 59.7 | 60.2 | 60.2  | 60.2 | 60.2  | 60.2 | 60.2  | 60.2 | 60.2  | 60.2 | 60.2  | 60.2  | 60.2  |
| ≥ 12000         | 47.2                     | 61.3 | 62.7 | 62.9 | 63.5 | 63.5  | 63.8 | 63.8  | 63.8 | 63.8  | 63.8 | 63.8  | 63.8 | 63.8  | 63.8  | 63.8  |
| ≥ 10000         | 49.8                     | 65.3 | 66.5 | 67.4 | 68.1 | 68.1  | 68.3 | 68.3  | 68.3 | 68.3  | 68.3 | 68.3  | 68.3 | 68.3  | 68.3  | 68.3  |
| ≥ 9000          | 50.2                     | 65.9 | 67.1 | 68.1 | 68.7 | 68.7  | 68.9 | 68.9  | 68.9 | 68.9  | 68.9 | 68.9  | 68.9 | 68.9  | 68.9  | 68.9  |
| ≥ 8000          | 51.6                     | 68.4 | 69.6 | 70.6 | 71.3 | 71.3  | 71.5 | 71.5  | 71.5 | 71.5  | 71.5 | 71.5  | 71.5 | 71.5  | 71.5  | 71.5  |
| ≥ 7000          | 52.0                     | 69.7 | 71.0 | 72.0 | 72.7 | 72.7  | 72.9 | 72.9  | 72.9 | 72.9  | 72.9 | 72.9  | 72.9 | 72.9  | 72.9  | 72.9  |
| ≥ 6000          | 53.1                     | 71.4 | 72.7 | 73.8 | 74.4 | 74.4  | 74.6 | 74.6  | 74.6 | 74.6  | 74.6 | 74.6  | 74.6 | 74.6  | 74.6  | 74.6  |
| ≥ 5000          | 54.2                     | 72.9 | 74.2 | 75.3 | 75.9 | 75.9  | 76.1 | 76.1  | 76.1 | 76.1  | 76.1 | 76.1  | 76.1 | 76.1  | 76.1  | 76.1  |
| ≥ 4500          | 55.1                     | 73.8 | 75.1 | 76.1 | 76.8 | 76.8  | 77.0 | 77.0  | 77.0 | 77.0  | 77.0 | 77.0  | 77.0 | 77.0  | 77.0  | 77.0  |
| ≥ 4000          | 57.7                     | 77.4 | 78.7 | 79.8 | 80.4 | 80.4  | 80.6 | 80.6  | 80.6 | 80.6  | 80.6 | 80.6  | 80.6 | 80.6  | 80.6  | 80.6  |
| ≥ 3500          | 59.0                     | 79.9 | 81.2 | 82.4 | 83.0 | 83.0  | 83.2 | 83.2  | 83.2 | 83.2  | 83.2 | 83.2  | 83.2 | 83.2  | 83.2  | 83.2  |
| ≥ 3000          | 60.5                     | 82.3 | 83.8 | 84.9 | 85.6 | 85.7  | 85.9 | 85.9  | 85.9 | 85.9  | 85.9 | 85.9  | 85.9 | 85.9  | 85.9  | 85.9  |
| ≥ 2500          | 61.9                     | 85.2 | 86.9 | 88.2 | 88.9 | 89.0  | 89.4 | 89.4  | 89.4 | 89.4  | 89.4 | 89.4  | 89.4 | 89.4  | 89.4  | 89.4  |
| ≥ 2000          | 62.6                     | 87.2 | 89.1 | 90.5 | 91.5 | 91.6  | 91.9 | 91.9  | 91.9 | 91.9  | 91.9 | 91.9  | 91.9 | 91.9  | 91.9  | 91.9  |
| ≥ 1800          | 62.6                     | 87.4 | 89.5 | 90.9 | 91.8 | 91.9  | 92.3 | 92.3  | 92.3 | 92.3  | 92.3 | 92.3  | 92.3 | 92.3  | 92.3  | 92.3  |
| ≥ 1500          | 62.8                     | 89.4 | 91.7 | 93.4 | 94.4 | 94.6  | 94.9 | 94.9  | 94.9 | 94.9  | 94.9 | 94.9  | 94.9 | 94.9  | 94.9  | 94.9  |
| ≥ 1200          | 62.8                     | 90.0 | 92.8 | 94.5 | 95.7 | 95.9  | 96.3 | 96.3  | 96.5 | 96.5  | 96.5 | 96.5  | 96.5 | 96.5  | 96.5  | 96.5  |
| ≥ 1000          | 63.0                     | 90.9 | 93.9 | 95.6 | 97.2 | 97.5  | 98.0 | 98.0  | 98.1 | 98.1  | 98.1 | 98.1  | 98.1 | 98.2  | 98.2  | 98.2  |
| ≥ 900           | 63.0                     | 91.1 | 94.1 | 96.0 | 97.6 | 98.1  | 98.5 | 98.5  | 98.6 | 98.6  | 98.6 | 98.6  | 98.6 | 98.7  | 98.7  | 98.7  |
| ≥ 800           | 63.1                     | 91.3 | 94.4 | 96.6 | 98.3 | 98.7  | 99.1 | 99.1  | 99.2 | 99.2  | 99.2 | 99.2  | 99.2 | 99.4  | 99.4  | 99.4  |
| ≥ 700           | 63.1                     | 91.4 | 94.5 | 96.7 | 98.5 | 98.9  | 99.4 | 99.4  | 99.5 | 99.5  | 99.5 | 99.5  | 99.5 | 99.6  | 99.6  | 99.6  |
| ≥ 600           | 63.1                     | 91.5 | 94.6 | 96.8 | 98.7 | 99.1  | 99.6 | 99.7  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 99.9  |
| ≥ 500           | 63.1                     | 91.5 | 94.6 | 96.8 | 98.7 | 99.1  | 99.6 | 99.7  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 99.9  |
| ≥ 400           | 63.1                     | 91.5 | 94.6 | 96.8 | 98.7 | 99.1  | 99.6 | 99.7  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 99.9  |
| ≥ 300           | 63.1                     | 91.5 | 94.6 | 96.8 | 98.7 | 99.1  | 99.6 | 99.7  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 99.9  |
| ≥ 200           | 63.1                     | 91.5 | 94.6 | 96.8 | 98.7 | 99.1  | 99.6 | 99.7  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 99.9  |
| ≥ 100           | 63.1                     | 91.5 | 94.6 | 96.8 | 98.7 | 99.1  | 99.6 | 99.7  | 99.8 | 99.8  | 99.8 | 99.8  | 99.8 | 99.9  | 99.9  | 99.9  |
| ≥ 0             | 63.2                     | 91.6 | 94.7 | 96.9 | 98.8 | 99.2  | 99.7 | 99.8  | 99.9 | 99.9  | 99.9 | 99.9  | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

46-57

ANG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

|                        |      | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |       |       |       |        |        |        |
|------------------------|------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|
| CEILING - FEET         |      | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥1   | ≥1/2 | ≥1/4 | ≥1/8 | ≥1/16 | ≥1/32 | ≥1/64 | ≥1/128 | ≥1/256 | ≥1/512 |
| NO. CEILING<br>≥ 20000 | 40.5 | 54.4                       | 54.8 | 55.5 | 55.8 | 55.8 | 55.8 | 55.8 | 55.9 | 55.8 | 55.8 | 55.8  | 55.8  | 55.8  | 55.8   | 55.8   | 55.8   |
|                        | 47.6 | 63.9                       | 64.5 | 65.2 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5  | 65.5  | 65.5  | 65.5   | 65.5   | 65.5   |
| ≥ 18000                | 48.3 | 64.7                       | 65.4 | 66.0 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3  | 66.3  | 66.3  | 66.3   | 66.3   | 66.3   |
|                        | 48.5 | 65.2                       | 65.8 | 66.5 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8  | 66.8  | 66.8  | 66.8   | 66.8   | 66.8   |
| ≥ 16000                | 50.5 | 67.6                       | 68.3 | 68.9 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  | 69.2  | 69.2  | 69.2   | 69.2   | 69.2   |
|                        | 52.3 | 70.4                       | 71.1 | 71.8 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4  | 72.4  | 72.4  | 72.4   | 72.4   | 72.4   |
| ≥ 14000                | 54.8 | 74.5                       | 75.6 | 76.6 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3  | 77.3  | 77.3  | 77.3   | 77.3   | 77.3   |
|                        | 55.9 | 75.7                       | 76.8 | 77.7 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5  | 78.5  | 78.5  | 78.5   | 78.5   | 78.5   |
| ≥ 12000                | 56.2 | 77.7                       | 78.8 | 79.8 | 81.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5  | 80.5  | 80.5  | 80.5   | 80.5   | 80.5   |
|                        | 56.9 | 78.7                       | 79.9 | 81.0 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7  | 81.7  | 81.7  | 81.7   | 81.7   | 81.7   |
| ≥ 10000                | 58.0 | 80.2                       | 81.4 | 82.5 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2  | 83.2  | 83.2  | 83.2   | 83.2   | 83.2   |
|                        | 59.0 | 81.8                       | 83.0 | 84.2 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9  | 84.9  | 84.9  | 84.9   | 84.9   | 84.9   |
| ≥ 8000                 | 59.9 | 83.1                       | 84.3 | 85.5 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2  | 86.2  | 86.2  | 86.2   | 86.2   | 86.2   |
|                        | 60.9 | 84.9                       | 86.2 | 87.4 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2  | 88.2  | 88.2  | 88.2   | 88.2   | 88.2   |
| ≥ 6000                 | 61.6 | 86.2                       | 87.5 | 88.7 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5  | 89.5  | 89.5  | 89.5   | 89.5   | 89.5   |
|                        | 62.0 | 88.0                       | 89.6 | 90.8 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8  | 91.8  | 91.8  | 91.8   | 91.8   | 91.8   |
| ≥ 4000                 | 62.7 | 89.7                       | 91.5 | 92.8 | 93.8 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1  | 94.1  | 94.1  | 94.1   | 94.1   | 94.1   |
|                        | 63.0 | 91.3                       | 93.3 | 94.6 | 95.7 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0  | 96.0  | 96.0  | 96.0   | 96.0   | 96.0   |
| ≥ 2000                 | 63.0 | 91.4                       | 93.5 | 94.8 | 95.9 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2  | 96.2  | 96.2  | 96.2   | 96.2   | 96.2   |
|                        | 63.0 | 91.7                       | 94.1 | 95.4 | 96.6 | 96.8 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1  | 97.1  | 97.1  | 97.2   | 97.2   | 97.2   |
| ≥ 1000                 | 63.0 | 92.6                       | 95.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8  | 98.8  | 98.9  | 98.9   | 98.9   | 98.9   |
|                        | 63.0 | 92.7                       | 95.4 | 96.8 | 98.4 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9  | 98.9  | 99.0  | 99.0   | 99.0   | 99.0   |
| ≥ 800                  | 63.1 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6  | 99.7  | 99.7   | 99.7   | 99.7   |
|                        | 63.0 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6  | 99.6  | 99.7  | 99.7   | 99.7   | 99.7   |
| ≥ 600                  | 63.0 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7  | 99.8  | 99.8   | 99.8   | 99.8   |
|                        | 63.0 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7  | 99.8  | 99.8   | 99.8   | 99.8   |
| ≥ 400                  | 63.0 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.8  | 99.9  | 99.9   | 99.9   | 99.9   |
|                        | 63.0 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.8  | 99.9  | 99.9   | 99.9   | 99.9   |
| ≥ 300                  | 63.0 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.8  | 99.9  | 99.9   | 99.9   | 99.9   |
|                        | 63.0 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.8  | 99.9  | 99.9   | 99.9   | 99.9   |
| ≥ 200                  | 63.0 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.8  | 99.9  | 99.9   | 99.9   | 99.9   |
|                        | 63.1 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.8  | 99.9  | 99.9   | 99.9   | 99.9   |
| ≥ 100                  | 63.0 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.8  | 99.9  | 99.9   | 99.9   | 99.9   |
|                        | 63.1 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.8  | 99.9  | 99.9   | 99.9   | 99.9   |
| ≥ 50                   | 63.0 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.8  | 99.9  | 99.9   | 99.9   | 99.9   |
|                        | 63.1 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.8  | 99.9  | 99.9   | 99.9   | 99.9   |
| ≥ 0                    | 63.0 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.8  | 99.9  | 99.9   | 99.9   | 99.9   |
|                        | 63.1 | 92.8                       | 95.6 | 97.1 | 98.8 | 99.0 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8  | 99.8  | 99.9  | 99.9   | 99.9   | 99.9   |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

48-57

48-57

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

15-2-2000

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
|                 | 210                      | 20   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15    | 14    | 13    | 12    |
| 20000           | 30.1                     | 54.1 | 55.7 | 57.5 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8  | 57.8  | 57.8  | 57.8  |
| 18000           | 40.5                     | 61.2 | 62.8 | 64.6 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9  | 64.9  | 64.9  | 64.9  |
| 16000           | 41.4                     | 62.0 | 63.7 | 65.5 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8  | 65.8  | 65.8  | 65.8  |
| 14000           | 42.3                     | 63.1 | 64.7 | 66.6 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9  | 66.9  | 66.9  | 66.9  |
| 12000           | 43.0                     | 64.7 | 66.3 | 68.3 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6  | 68.6  | 68.6  | 68.6  |
| 10000           | 44.7                     | 67.3 | 68.9 | 71.0 | 71.4 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6  | 71.6  | 71.6  | 71.6  |
| 8000            | 47.3                     | 72.4 | 74.1 | 76.5 | 77.2 | 77.2 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4  | 77.4  | 77.4  | 77.4  |
| 6000            | 48.0                     | 73.3 | 75.1 | 77.4 | 78.2 | 78.2 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4  | 78.4  | 78.4  | 78.4  |
| 4000            | 49.4                     | 76.6 | 78.3 | 80.6 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6  | 81.6  | 81.6  | 81.6  |
| 2000            | 50.5                     | 77.8 | 79.8 | 82.3 | 83.1 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3  | 83.3  | 83.3  | 83.3  |
| 1000            | 51.2                     | 78.9 | 81.2 | 83.8 | 84.6 | 84.6 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9  | 84.9  | 84.9  | 84.9  |
| 500             | 51.9                     | 80.1 | 82.4 | 85.1 | 85.1 | 85.1 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5  | 85.5  | 85.5  | 85.5  |
| 250             | 52.0                     | 80.4 | 82.8 | 85.5 | 86.6 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9  | 86.9  | 86.9  | 86.9  |
| 100             | 52.9                     | 81.9 | 84.3 | 87.1 | 88.3 | 88.3 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6  | 88.6  | 88.6  | 88.6  |
| 50              | 53.7                     | 83.1 | 85.5 | 88.4 | 89.6 | 89.6 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0  | 90.0  | 90.0  | 90.0  |
| 25              | 53.9                     | 84.6 | 87.2 | 90.5 | 91.7 | 91.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3  | 92.3  | 92.3  | 92.3  |
| 10              | 54.7                     | 87.1 | 89.7 | 93.0 | 94.2 | 94.2 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8  | 94.8  | 94.8  | 94.8  |
| 5               | 54.9                     | 88.0 | 90.5 | 93.9 | 95.2 | 95.4 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3  | 96.3  | 96.3  | 96.3  |
| 2               | 54.9                     | 88.3 | 91.1 | 94.4 | 95.7 | 95.9 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9  | 96.9  | 96.9  | 96.9  |
| 1               | 55.1                     | 88.6 | 91.5 | 95.1 | 96.3 | 96.6 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5  | 97.5  | 97.5  | 97.5  |
| 0.5             | 55.1                     | 88.9 | 92.3 | 95.9 | 97.5 | 97.7 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7  | 98.7  | 98.7  | 98.7  |
| 0.25            | 55.1                     | 89.0 | 92.5 | 96.1 | 97.8 | 98.1 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1  | 99.1  | 99.1  | 99.1  |
| 0.1             | 55.1                     | 89.0 | 92.6 | 96.2 | 98.0 | 98.2 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4  | 99.4  | 99.4  | 99.4  |
| 0.05            | 55.1                     | 89.2 | 92.8 | 96.6 | 98.3 | 98.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8  | 99.8  | 99.8  | 99.8  |
| 0.025           | 55.1                     | 89.2 | 92.8 | 96.7 | 98.5 | 98.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0.01            | 55.1                     | 89.2 | 92.8 | 96.7 | 98.5 | 98.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0.005           | 55.1                     | 89.2 | 92.8 | 96.7 | 98.5 | 98.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0.0025          | 55.1                     | 89.2 | 92.8 | 96.7 | 98.5 | 98.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0.001           | 55.1                     | 89.2 | 92.8 | 96.7 | 98.5 | 98.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0.0005          | 55.1                     | 89.2 | 92.8 | 96.7 | 98.5 | 98.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 920

USAF ETAC D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

46-57

ALC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |        |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| ≥20000          | 32.0                       | 59.1 | 62.7 | 65.2 | 66.1 | 66.1 | 66.5 | 66.8 | 66.9 | 67.1 | 67.1  | 67.1 | 67.3  | 67.3   | 67.3  | 67.3   |
| ≥18000          | 34.1                       | 61.4 | 66.0 | 68.6 | 69.6 | 69.6 | 69.9 | 70.2 | 70.2 | 70.5 | 70.5  | 70.5 | 70.8  | 70.8   | 70.8  | 70.8   |
| ≥16000          | 34.1                       | 61.5 | 66.1 | 68.7 | 69.7 | 69.7 | 70.0 | 70.3 | 70.3 | 70.6 | 70.6  | 70.6 | 70.9  | 70.9   | 70.9  | 70.9   |
| ≥14000          | 34.3                       | 61.7 | 66.3 | 68.9 | 69.9 | 69.9 | 70.2 | 70.5 | 70.5 | 70.9 | 70.9  | 70.9 | 71.1  | 71.1   | 71.1  | 71.1   |
| ≥12000          | 35.1                       | 63.2 | 67.8 | 70.4 | 71.4 | 71.4 | 71.7 | 72.0 | 72.0 | 72.4 | 72.4  | 72.4 | 72.6  | 72.6   | 72.6  | 72.6   |
| ≥10000          | 35.4                       | 64.5 | 69.9 | 72.7 | 73.7 | 73.7 | 74.0 | 74.3 | 74.3 | 74.6 | 74.6  | 74.6 | 74.8  | 74.8   | 74.8  | 74.8   |
| ≥9000           | 37.2                       | 67.8 | 73.5 | 76.6 | 77.6 | 77.6 | 78.0 | 78.3 | 78.3 | 78.6 | 78.6  | 78.6 | 78.8  | 78.8   | 78.8  | 78.8   |
| ≥8000           | 37.7                       | 68.6 | 74.5 | 77.5 | 78.6 | 78.6 | 78.9 | 79.2 | 79.2 | 79.6 | 79.6  | 79.6 | 79.8  | 79.8   | 79.8  | 79.8   |
| ≥7000           | 38.4                       | 70.9 | 76.6 | 79.6 | 80.6 | 80.6 | 81.0 | 81.3 | 81.3 | 81.6 | 81.6  | 81.6 | 81.8  | 81.8   | 81.8  | 81.8   |
| ≥6000           | 38.9                       | 72.4 | 78.1 | 81.4 | 82.5 | 82.5 | 82.8 | 83.1 | 83.1 | 83.4 | 83.4  | 83.4 | 83.7  | 83.7   | 83.7  | 83.7   |
| ≥5000           | 39.1                       | 72.7 | 78.6 | 81.9 | 83.0 | 83.0 | 83.3 | 83.7 | 83.7 | 84.0 | 84.0  | 84.0 | 84.2  | 84.2   | 84.2  | 84.2   |
| ≥4500           | 39.5                       | 73.8 | 79.7 | 83.0 | 84.2 | 84.2 | 84.5 | 84.8 | 84.8 | 85.2 | 85.2  | 85.2 | 85.4  | 85.4   | 85.4  | 85.4   |
| ≥4000           | 39.6                       | 74.3 | 81.3 | 83.8 | 84.9 | 84.9 | 85.3 | 85.6 | 85.6 | 85.9 | 85.9  | 85.9 | 86.1  | 86.1   | 86.1  | 86.1   |
| ≥3500           | 39.9                       | 75.3 | 81.5 | 84.9 | 86.1 | 86.1 | 86.5 | 86.8 | 86.8 | 87.1 | 87.1  | 87.1 | 87.3  | 87.3   | 87.3  | 87.3   |
| ≥3000           | 40.4                       | 76.2 | 82.5 | 86.0 | 87.3 | 87.3 | 87.6 | 88.0 | 88.0 | 88.4 | 88.4  | 88.4 | 88.6  | 88.6   | 88.6  | 88.6   |
| ≥2500           | 40.6                       | 77.6 | 84.5 | 88.2 | 89.5 | 89.5 | 90.0 | 90.3 | 90.3 | 90.8 | 90.8  | 90.8 | 91.0  | 91.0   | 91.0  | 91.0   |
| ≥2000           | 40.9                       | 79.7 | 86.6 | 90.2 | 91.7 | 92.0 | 92.4 | 92.7 | 92.7 | 93.1 | 93.1  | 93.1 | 93.3  | 93.3   | 93.3  | 93.3   |
| ≥1800           | 41.3                       | 80.2 | 87.1 | 90.6 | 92.3 | 92.8 | 93.3 | 93.7 | 93.7 | 94.1 | 94.1  | 94.1 | 94.3  | 94.3   | 94.3  | 94.3   |
| ≥1600           | 41.3                       | 81.5 | 87.4 | 91.1 | 92.6 | 93.1 | 93.7 | 94.0 | 94.0 | 94.4 | 94.4  | 94.4 | 94.6  | 94.6   | 94.6  | 94.6   |
| ≥1400           | 41.6                       | 81.8 | 88.8 | 92.6 | 94.2 | 94.7 | 95.3 | 95.6 | 95.6 | 96.0 | 96.0  | 96.0 | 96.2  | 96.2   | 96.2  | 96.2   |
| ≥1200           | 41.6                       | 82.6 | 90.4 | 94.3 | 96.0 | 96.6 | 97.1 | 97.4 | 97.4 | 97.8 | 97.8  | 97.8 | 98.1  | 98.1   | 98.1  | 98.1   |
| ≥1000           | 41.6                       | 82.6 | 92.8 | 94.8 | 96.8 | 97.3 | 97.8 | 98.2 | 98.2 | 98.6 | 98.6  | 98.6 | 98.8  | 98.8   | 98.8  | 98.8   |
| ≥900            | 41.9                       | 83.2 | 91.2 | 95.3 | 97.2 | 97.7 | 98.3 | 98.6 | 98.6 | 99.0 | 99.0  | 99.0 | 99.2  | 99.2   | 99.2  | 99.2   |
| ≥800            | 41.3                       | 83.2 | 91.2 | 95.3 | 97.3 | 97.8 | 98.4 | 98.7 | 98.7 | 99.1 | 99.1  | 99.1 | 99.5  | 99.5   | 99.5  | 99.5   |
| ≥700            | 41.8                       | 83.3 | 91.3 | 95.4 | 97.5 | 98.1 | 98.6 | 98.9 | 98.9 | 99.4 | 99.4  | 99.4 | 99.7  | 99.7   | 99.7  | 99.7   |
| ≥600            | 41.8                       | 83.3 | 91.3 | 95.4 | 97.6 | 98.2 | 98.7 | 99.0 | 99.0 | 99.5 | 99.5  | 99.5 | 99.8  | 99.8   | 99.8  | 99.8   |
| ≥500            | 41.8                       | 83.3 | 91.3 | 95.4 | 97.6 | 98.3 | 98.8 | 99.1 | 99.1 | 99.6 | 99.6  | 99.6 | 99.9  | 99.9   | 99.9  | 99.9   |
| ≥400            | 41.8                       | 83.4 | 91.4 | 95.5 | 97.7 | 98.4 | 98.9 | 99.2 | 99.2 | 99.7 | 99.7  | 99.7 | 99.9  | 99.9   | 99.9  | 99.9   |
| ≥300            | 41.8                       | 83.4 | 91.4 | 95.5 | 97.7 | 98.4 | 98.9 | 99.2 | 99.2 | 99.7 | 99.7  | 99.7 | 99.9  | 99.9   | 99.9  | 99.9   |
| ≥200            | 41.8                       | 83.4 | 91.4 | 95.5 | 97.7 | 98.4 | 98.9 | 99.2 | 99.2 | 99.7 | 99.7  | 99.7 | 99.9  | 99.9   | 99.9  | 99.9   |
| ≥100            | 41.8                       | 83.4 | 91.4 | 95.5 | 97.7 | 98.4 | 98.9 | 99.2 | 99.2 | 99.7 | 99.7  | 99.7 | 99.9  | 99.9   | 99.9  | 99.9   |

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724757  
STATION

PHILLIPS/ASERDEEN MO  
STATION NAME

48-57  
YEAR

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|-------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0    |
| ≥10000          | 30.2                     | 49.0 | 51.4 | 53.4 | 54.4 | 54.7 | 55.3 | 55.6 | 55.7 | 56.1 | 56.2  | 56.2 | 56.3  | 56.3   | 56.4  | 56.4  |
| ≥18000          | 33.7                     | 54.2 | 56.7 | 58.9 | 59.9 | 60.1 | 60.7 | 61.1 | 61.1 | 61.6 | 61.6  | 61.7 | 61.8  | 61.8   | 61.9  | 61.9  |
| ≥16000          | 34.1                     | 54.7 | 57.2 | 59.4 | 60.4 | 60.6 | 61.2 | 61.6 | 61.6 | 62.1 | 62.1  | 62.2 | 62.3  | 62.3   | 62.4  | 62.4  |
| ≥14000          | 34.2                     | 55.1 | 57.5 | 59.7 | 60.7 | 61.0 | 61.6 | 61.9 | 62.0 | 62.5 | 62.5  | 62.5 | 62.7  | 62.7   | 62.7  | 62.8  |
| ≥12000          | 35.1                     | 56.5 | 59.0 | 61.3 | 62.3 | 62.5 | 63.1 | 63.5 | 63.5 | 64.0 | 64.0  | 64.1 | 64.2  | 64.2   | 64.3  | 64.3  |
| ≥10000          | 36.1                     | 56.7 | 61.5 | 63.8 | 65.0 | 65.3 | 66.0 | 66.4 | 66.4 | 66.9 | 66.9  | 67.0 | 67.1  | 67.1   | 67.2  | 67.2  |
| ≥8000           | 38.2                     | 62.9 | 66.2 | 68.7 | 70.1 | 70.4 | 71.1 | 71.6 | 71.6 | 72.1 | 72.1  | 72.1 | 72.3  | 72.3   | 72.4  | 72.4  |
| ≥6000           | 38.6                     | 63.8 | 66.9 | 69.5 | 70.8 | 71.2 | 72.0 | 72.5 | 72.5 | 73.0 | 73.0  | 73.0 | 73.2  | 73.2   | 73.3  | 73.3  |
| ≥4000           | 39.6                     | 65.8 | 69.2 | 71.8 | 73.2 | 73.6 | 74.4 | 74.9 | 74.9 | 75.5 | 75.5  | 75.5 | 75.7  | 75.7   | 75.8  | 75.8  |
| ≥2000           | 40.1                     | 67.0 | 70.5 | 73.2 | 74.7 | 75.2 | 76.0 | 76.5 | 76.5 | 77.0 | 77.1  | 77.1 | 77.3  | 77.3   | 77.4  | 77.4  |
| ≥1000           | 40.7                     | 68.0 | 71.6 | 74.4 | 75.9 | 76.3 | 77.2 | 77.6 | 77.7 | 78.2 | 78.3  | 78.3 | 78.5  | 78.5   | 78.5  | 78.6  |
| ≥500            | 41.2                     | 69.2 | 72.7 | 75.6 | 77.2 | 77.6 | 78.5 | 78.9 | 79.0 | 79.5 | 79.6  | 79.6 | 79.8  | 79.8   | 79.8  | 79.9  |
| ≥250            | 41.5                     | 69.6 | 73.4 | 76.3 | 78.0 | 78.5 | 79.3 | 79.8 | 79.8 | 80.4 | 80.4  | 80.4 | 80.6  | 80.6   | 80.7  | 80.7  |
| ≥100            | 42.3                     | 71.3 | 75.2 | 78.2 | 79.9 | 80.4 | 81.2 | 81.7 | 81.7 | 82.3 | 82.3  | 82.3 | 82.5  | 82.5   | 82.6  | 82.6  |
| ≥50             | 42.9                     | 72.3 | 76.2 | 79.3 | 81.1 | 81.5 | 82.4 | 82.9 | 82.9 | 83.5 | 83.5  | 83.5 | 83.7  | 83.7   | 83.8  | 83.9  |
| ≥25             | 43.4                     | 73.9 | 78.1 | 81.3 | 83.2 | 83.8 | 84.7 | 85.2 | 85.3 | 85.8 | 85.9  | 85.9 | 86.1  | 86.1   | 86.2  | 86.2  |
| ≥10             | 44.0                     | 75.8 | 80.2 | 83.6 | 85.6 | 86.1 | 87.2 | 87.7 | 87.7 | 88.3 | 88.3  | 88.4 | 88.5  | 88.5   | 88.6  | 88.7  |
| ≥5              | 44.6                     | 77.4 | 81.9 | 85.4 | 87.4 | 88.1 | 89.2 | 89.8 | 89.8 | 90.5 | 90.5  | 90.5 | 90.7  | 90.7   | 90.8  | 90.8  |
| ≥2              | 44.6                     | 77.5 | 82.2 | 85.6 | 87.7 | 88.3 | 89.5 | 90.1 | 90.1 | 90.8 | 90.8  | 90.8 | 91.0  | 91.0   | 91.1  | 91.1  |
| ≥1              | 44.9                     | 78.8 | 83.6 | 87.2 | 89.4 | 90.1 | 91.4 | 92.1 | 92.1 | 92.8 | 92.8  | 92.8 | 93.0  | 93.0   | 93.1  | 93.1  |
| ≥0.5            | 45.1                     | 79.7 | 84.9 | 88.7 | 91.1 | 91.9 | 93.2 | 93.8 | 93.9 | 94.6 | 94.6  | 94.6 | 94.8  | 94.8   | 94.9  | 95.0  |
| ≥0.25           | 45.1                     | 80.3 | 85.6 | 89.6 | 92.3 | 93.1 | 94.4 | 95.2 | 95.3 | 96.0 | 96.1  | 96.1 | 96.4  | 96.4   | 96.5  | 96.5  |
| ≥0.1            | 45.2                     | 80.6 | 86.0 | 89.9 | 92.7 | 93.5 | 95.0 | 95.8 | 95.9 | 96.7 | 96.7  | 96.7 | 97.0  | 97.0   | 97.1  | 97.1  |
| ≥0.05           | 45.2                     | 80.8 | 86.2 | 90.3 | 93.1 | 94.0 | 95.5 | 96.3 | 96.4 | 97.2 | 97.3  | 97.3 | 97.6  | 97.6   | 97.6  | 97.7  |
| ≥0.025          | 45.2                     | 80.9 | 86.3 | 90.4 | 93.4 | 94.3 | 96.0 | 96.9 | 97.0 | 97.8 | 97.9  | 97.9 | 98.2  | 98.2   | 98.3  | 98.3  |
| ≥0.01           | 45.2                     | 81.0 | 86.4 | 90.5 | 93.6 | 94.5 | 96.2 | 97.1 | 97.2 | 98.1 | 98.1  | 98.1 | 98.5  | 98.5   | 98.5  | 98.6  |
| ≥0.005          | 45.2                     | 81.0 | 86.4 | 90.6 | 93.7 | 94.7 | 96.5 | 97.4 | 97.6 | 98.5 | 98.6  | 98.6 | 98.9  | 98.9   | 99.0  | 99.0  |
| ≥0.0025         | 45.2                     | 81.0 | 86.4 | 90.7 | 93.8 | 94.8 | 96.6 | 97.6 | 97.7 | 98.7 | 98.7  | 98.8 | 99.1  | 99.1   | 99.2  | 99.3  |
| ≥0.001          | 45.2                     | 81.0 | 86.4 | 90.7 | 93.8 | 94.8 | 96.7 | 97.7 | 97.9 | 98.8 | 98.9  | 98.9 | 99.3  | 99.3   | 99.4  | 99.5  |
| ≥0.0005         | 45.2                     | 81.0 | 86.4 | 90.7 | 93.8 | 94.8 | 96.7 | 97.7 | 97.9 | 98.8 | 98.9  | 98.9 | 99.4  | 99.4   | 99.6  | 99.7  |
| ≥0.00025        | 45.3                     | 81.0 | 86.5 | 90.7 | 93.9 | 94.9 | 96.7 | 97.8 | 97.9 | 98.9 | 99.0  | 99.0 | 99.5  | 99.5   | 99.7  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72457 PHILLIPS/ABERDEEN MD

48-57

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

000-0200

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                        | ≥8   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥2   | ≥1.5 | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥0.5 | ≥0   |
| NO CEILING      | 28.0                       | 53.7 | 55.7 | 58.1 | 59.3 | 59.7 | 62.1 | 62.8 | 62.8 | 63.7 | 63.9 | 63.9 | 64.4 | 64.4 | 64.6 | 64.6 |
| ≥20000          | 28.4                       | 54.6 | 57.0 | 59.4 | 61.7 | 61.0 | 63.6 | 64.2 | 64.2 | 65.2 | 65.4 | 65.4 | 66.0 | 66.0 | 66.1 | 66.1 |
| ≥18000          | 29.4                       | 55.6 | 57.8 | 60.2 | 61.4 | 61.8 | 64.3 | 65.0 | 65.0 | 66.0 | 66.2 | 66.2 | 66.8 | 66.8 | 66.9 | 66.9 |
| ≥16000          | 28.6                       | 56.0 | 58.2 | 60.7 | 61.9 | 62.2 | 64.8 | 65.4 | 65.4 | 66.4 | 66.7 | 66.7 | 67.2 | 67.2 | 67.3 | 67.3 |
| ≥14000          | 29.7                       | 57.3 | 59.6 | 62.0 | 63.3 | 63.7 | 66.2 | 66.9 | 66.9 | 67.9 | 68.1 | 68.1 | 68.7 | 68.7 | 68.8 | 68.8 |
| ≥12000          | 30.9                       | 60.2 | 62.7 | 65.1 | 66.7 | 67.0 | 69.6 | 70.2 | 70.3 | 71.3 | 71.6 | 71.6 | 72.1 | 72.1 | 72.2 | 72.2 |
| ≥10000          | 32.0                       | 64.7 | 67.1 | 69.6 | 71.2 | 71.6 | 74.1 | 74.8 | 74.9 | 75.9 | 76.1 | 76.1 | 76.7 | 76.7 | 76.8 | 76.8 |
| ≥9000           | 32.4                       | 65.7 | 68.2 | 70.7 | 72.3 | 72.8 | 75.3 | 76.0 | 76.1 | 77.1 | 77.3 | 77.3 | 77.9 | 77.9 | 78.0 | 78.0 |
| ≥8000           | 32.4                       | 66.7 | 69.3 | 71.9 | 73.6 | 74.0 | 76.6 | 77.2 | 77.3 | 78.3 | 78.6 | 78.6 | 79.1 | 79.1 | 79.2 | 79.2 |
| ≥7000           | 33.1                       | 69.8 | 71.4 | 74.0 | 75.7 | 76.1 | 78.7 | 79.3 | 79.4 | 80.4 | 80.7 | 80.7 | 81.2 | 81.2 | 81.3 | 81.3 |
| ≥6000           | 33.2                       | 69.8 | 72.4 | 75.0 | 76.7 | 77.1 | 79.7 | 80.3 | 80.4 | 81.4 | 81.7 | 81.7 | 82.2 | 82.2 | 82.3 | 82.3 |
| ≥5000           | 33.4                       | 71.8 | 73.4 | 76.1 | 77.8 | 78.2 | 80.8 | 81.4 | 81.6 | 82.6 | 82.8 | 82.8 | 83.3 | 83.3 | 83.4 | 83.4 |
| ≥4500           | 33.6                       | 71.8 | 74.7 | 77.3 | 79.0 | 79.4 | 82.0 | 82.7 | 82.8 | 83.8 | 84.0 | 84.0 | 84.6 | 84.6 | 84.7 | 84.7 |
| ≥4000           | 33.9                       | 72.7 | 75.9 | 78.7 | 80.3 | 80.8 | 83.3 | 84.0 | 84.1 | 85.1 | 85.3 | 85.3 | 85.9 | 85.9 | 86.0 | 86.0 |
| ≥3500           | 33.9                       | 73.4 | 76.7 | 79.4 | 81.1 | 81.6 | 84.1 | 84.8 | 84.9 | 85.9 | 86.2 | 86.2 | 86.8 | 86.8 | 86.9 | 86.9 |
| ≥3000           | 33.9                       | 74.1 | 77.6 | 80.3 | 82.0 | 82.4 | 85.0 | 85.7 | 85.8 | 86.8 | 87.2 | 87.2 | 87.8 | 87.8 | 87.9 | 87.9 |
| ≥2500           | 34.2                       | 75.6 | 79.2 | 82.1 | 84.0 | 84.4 | 87.1 | 87.8 | 87.9 | 88.9 | 89.3 | 89.3 | 89.9 | 89.9 | 90.0 | 90.0 |
| ≥2000           | 34.3                       | 76.1 | 79.8 | 82.8 | 84.7 | 85.1 | 87.9 | 88.6 | 88.7 | 89.7 | 90.1 | 90.1 | 90.8 | 90.8 | 90.9 | 90.9 |
| ≥1800           | 34.3                       | 76.3 | 80.2 | 83.2 | 85.1 | 85.6 | 88.3 | 89.0 | 89.1 | 90.1 | 90.6 | 90.6 | 91.2 | 91.2 | 91.3 | 91.3 |
| ≥1600           | 34.3                       | 77.0 | 81.0 | 84.2 | 86.1 | 86.6 | 89.4 | 90.1 | 90.2 | 91.2 | 91.7 | 91.7 | 92.3 | 92.3 | 92.4 | 92.4 |
| ≥1400           | 34.3                       | 77.2 | 81.4 | 84.9 | 86.8 | 87.2 | 90.2 | 90.9 | 91.0 | 92.1 | 92.6 | 92.6 | 93.3 | 93.3 | 93.4 | 93.4 |
| ≥1200           | 34.3                       | 78.3 | 83.1 | 86.7 | 89.0 | 89.4 | 92.7 | 93.3 | 93.4 | 94.6 | 95.0 | 95.0 | 95.8 | 95.8 | 95.9 | 95.9 |
| ≥1000           | 34.3                       | 78.6 | 83.2 | 87.0 | 89.3 | 89.8 | 93.2 | 93.9 | 94.0 | 95.1 | 95.6 | 95.6 | 96.3 | 96.3 | 96.4 | 96.4 |
| ≥900            | 34.3                       | 78.8 | 83.4 | 87.3 | 89.7 | 90.1 | 93.7 | 94.3 | 94.4 | 95.6 | 96.0 | 96.0 | 96.8 | 96.8 | 97.0 | 97.0 |
| ≥800            | 34.3                       | 78.9 | 83.6 | 87.6 | 90.0 | 90.4 | 94.0 | 94.7 | 94.8 | 95.9 | 96.4 | 96.4 | 97.2 | 97.2 | 97.4 | 97.4 |
| ≥700            | 34.3                       | 78.9 | 83.6 | 87.6 | 90.0 | 90.7 | 94.3 | 95.0 | 95.1 | 96.3 | 96.9 | 96.9 | 97.7 | 97.7 | 98.0 | 98.0 |
| ≥600            | 34.3                       | 78.9 | 83.6 | 87.6 | 90.0 | 90.7 | 94.8 | 95.6 | 95.7 | 96.9 | 97.4 | 97.4 | 98.2 | 98.2 | 98.6 | 98.6 |
| ≥500            | 34.3                       | 78.9 | 83.6 | 87.6 | 90.0 | 90.7 | 94.9 | 95.7 | 95.8 | 97.1 | 97.7 | 97.7 | 98.4 | 98.4 | 98.8 | 98.8 |
| ≥400            | 34.3                       | 78.9 | 83.6 | 87.6 | 90.0 | 90.7 | 94.9 | 95.8 | 95.9 | 97.3 | 97.9 | 97.9 | 98.7 | 98.7 | 99.0 | 99.0 |
| ≥300            | 34.3                       | 78.9 | 83.6 | 87.6 | 90.2 | 90.9 | 95.1 | 96.0 | 96.1 | 97.6 | 98.1 | 98.1 | 99.0 | 99.0 | 99.4 | 99.4 |
| ≥200            | 34.3                       | 78.9 | 83.6 | 87.6 | 90.2 | 90.9 | 95.2 | 96.1 | 96.2 | 97.7 | 98.2 | 98.2 | 99.3 | 99.3 | 99.8 | 99.8 |
| ≥100            | 34.3                       | 78.9 | 83.6 | 87.6 | 90.2 | 90.9 | 95.2 | 96.1 | 96.2 | 97.7 | 98.2 | 98.2 | 99.3 | 99.3 | 99.8 | 99.8 |
| ≥0              | 34.3                       | 78.9 | 83.6 | 87.6 | 90.2 | 90.9 | 95.2 | 96.1 | 96.2 | 97.7 | 98.2 | 98.2 | 99.3 | 99.3 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

48-57

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

300-2500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |        |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO. CEILING     | 22.7                     | 44.1 | 45.7 | 49.1 | 51.7 | 52.4 | 54.7 | 55.6 | 55.7 | 57.0 | 57.3  | 57.3 | 58.3  | 58.3   | 58.6  | 58.7   |
| ≥ 2000          | 23.2                     | 45.9 | 47.4 | 52.9 | 53.8 | 54.2 | 56.7 | 57.7 | 57.8 | 59.1 | 59.4  | 59.4 | 60.4  | 60.4   | 62.7  | 62.8   |
| ≥ 1800          | 23.2                     | 46.6 | 48.1 | 51.7 | 54.2 | 55.0 | 57.4 | 58.4 | 58.6 | 59.9 | 60.2  | 60.2 | 61.2  | 61.2   | 61.4  | 61.6   |
| ≥ 1600          | 23.2                     | 46.6 | 48.1 | 51.7 | 54.3 | 55.1 | 57.6 | 58.6 | 58.7 | 60.0 | 60.3  | 60.3 | 61.3  | 61.3   | 61.6  | 61.7   |
| ≥ 1400          | 24.3                     | 49.8 | 50.3 | 54.0 | 56.7 | 57.4 | 59.9 | 60.9 | 61.0 | 62.3 | 62.7  | 62.7 | 63.7  | 63.7   | 63.9  | 64.0   |
| ≥ 1200          | 25.7                     | 51.2 | 52.9 | 56.9 | 59.6 | 60.3 | 62.8 | 63.8 | 63.9 | 65.2 | 65.6  | 65.6 | 66.7  | 66.7   | 66.9  | 67.0   |
| ≥ 1000          | 27.1                     | 55.3 | 57.3 | 61.4 | 64.1 | 64.9 | 67.3 | 68.3 | 68.4 | 69.8 | 70.1  | 70.1 | 71.2  | 71.2   | 71.4  | 71.6   |
| ≥ 900           | 27.4                     | 56.8 | 58.8 | 63.0 | 65.8 | 66.6 | 69.0 | 70.0 | 70.1 | 71.4 | 71.8  | 71.8 | 72.9  | 72.9   | 73.1  | 73.2   |
| ≥ 800           | 28.2                     | 58.9 | 61.1 | 65.4 | 68.2 | 69.0 | 71.4 | 72.6 | 72.7 | 74.0 | 74.3  | 74.3 | 75.4  | 75.4   | 75.7  | 75.8   |
| ≥ 700           | 28.3                     | 59.6 | 61.8 | 66.1 | 68.9 | 69.7 | 72.1 | 73.2 | 73.3 | 74.7 | 75.0  | 75.0 | 76.1  | 76.1   | 76.3  | 76.4   |
| ≥ 600           | 28.3                     | 60.9 | 63.1 | 67.4 | 70.2 | 71.0 | 73.4 | 74.6 | 74.7 | 76.0 | 76.3  | 76.3 | 77.4  | 77.4   | 77.7  | 77.8   |
| ≥ 500           | 28.8                     | 61.9 | 64.3 | 68.8 | 71.6 | 72.3 | 74.8 | 75.9 | 76.0 | 77.3 | 77.7  | 77.7 | 78.8  | 78.8   | 79.2  | 79.1   |
| ≥ 450           | 28.8                     | 62.2 | 64.7 | 69.2 | 72.0 | 72.8 | 75.2 | 76.3 | 76.4 | 77.8 | 78.1  | 78.1 | 79.2  | 79.2   | 79.4  | 79.6   |
| ≥ 400           | 29.0                     | 63.6 | 66.1 | 70.7 | 73.4 | 74.2 | 76.8 | 78.0 | 78.1 | 79.4 | 79.8  | 79.8 | 80.9  | 80.9   | 81.1  | 81.2   |
| ≥ 350           | 29.0                     | 64.0 | 66.6 | 71.2 | 74.0 | 74.8 | 77.3 | 78.8 | 78.9 | 80.2 | 80.6  | 80.6 | 81.7  | 81.7   | 81.9  | 82.0   |
| ≥ 300           | 29.1                     | 65.2 | 67.9 | 72.7 | 75.7 | 76.4 | 79.1 | 80.6 | 80.7 | 82.0 | 82.3  | 82.3 | 83.4  | 83.4   | 83.7  | 83.8   |
| ≥ 250           | 29.2                     | 65.8 | 68.7 | 73.7 | 76.8 | 77.6 | 80.2 | 81.7 | 81.8 | 83.1 | 83.4  | 83.4 | 84.6  | 84.6   | 84.8  | 84.9   |
| ≥ 200           | 29.6                     | 66.9 | 69.9 | 75.0 | 78.2 | 79.0 | 81.8 | 83.3 | 83.4 | 84.8 | 85.1  | 85.1 | 86.4  | 86.4   | 86.7  | 86.8   |
| ≥ 180           | 29.6                     | 67.1 | 70.2 | 75.4 | 78.7 | 79.4 | 82.2 | 83.8 | 83.9 | 85.2 | 85.6  | 85.6 | 87.0  | 87.0   | 87.2  | 87.3   |
| ≥ 150           | 29.7                     | 68.0 | 71.3 | 76.7 | 79.9 | 80.7 | 83.6 | 85.1 | 85.2 | 86.6 | 86.9  | 86.9 | 88.4  | 88.4   | 88.7  | 88.8   |
| ≥ 120           | 29.7                     | 68.4 | 72.0 | 77.7 | 81.1 | 81.9 | 84.9 | 86.6 | 86.7 | 88.0 | 88.3  | 88.3 | 89.9  | 89.9   | 90.1  | 90.2   |
| ≥ 100           | 29.7                     | 69.0 | 72.6 | 79.0 | 82.8 | 83.6 | 87.0 | 88.7 | 88.8 | 90.1 | 90.4  | 90.4 | 92.0  | 92.0   | 92.2  | 92.3   |
| ≥ 90            | 29.8                     | 69.1 | 72.7 | 79.3 | 83.2 | 84.0 | 87.6 | 89.2 | 89.3 | 90.7 | 91.0  | 91.0 | 92.6  | 92.6   | 92.8  | 92.9   |
| ≥ 80            | 29.8                     | 69.1 | 72.8 | 79.4 | 83.4 | 84.3 | 88.1 | 89.8 | 90.0 | 91.4 | 91.8  | 91.8 | 93.3  | 93.3   | 93.7  | 93.8   |
| ≥ 70            | 29.8                     | 69.1 | 72.8 | 79.7 | 83.8 | 84.8 | 88.7 | 90.4 | 90.7 | 92.1 | 92.4  | 92.4 | 94.0  | 94.1   | 94.3  | 94.4   |
| ≥ 60            | 29.8                     | 69.1 | 72.9 | 79.9 | 84.0 | 85.1 | 89.1 | 91.0 | 91.2 | 92.7 | 93.0  | 93.0 | 94.6  | 94.8   | 95.0  | 95.1   |
| ≥ 50            | 29.8                     | 69.1 | 72.9 | 79.9 | 84.1 | 85.2 | 89.8 | 91.7 | 92.0 | 93.7 | 94.0  | 94.0 | 95.7  | 95.9   | 96.1  | 96.2   |
| ≥ 40            | 29.8                     | 69.1 | 72.9 | 80.0 | 84.2 | 85.3 | 90.3 | 92.2 | 92.7 | 94.3 | 94.8  | 94.8 | 96.6  | 96.8   | 97.1  | 97.2   |
| ≥ 30            | 29.8                     | 69.1 | 72.9 | 80.0 | 84.2 | 85.3 | 90.4 | 92.7 | 93.1 | 94.8 | 95.2  | 95.2 | 97.0  | 97.2   | 97.8  | 98.0   |
| ≥ 20            | 29.8                     | 69.1 | 72.9 | 80.0 | 84.2 | 85.3 | 90.4 | 92.7 | 93.1 | 94.8 | 95.2  | 95.2 | 97.1  | 97.3   | 97.9  | 98.1   |
| ≥ 10            | 29.8                     | 69.1 | 72.9 | 80.0 | 84.2 | 85.3 | 90.6 | 92.8 | 93.2 | 95.2 | 95.8  | 95.8 | 97.9  | 98.1   | 98.8  | 99.7   |
| ≥ 0             | 29.8                     | 69.1 | 72.9 | 80.0 | 84.2 | 85.3 | 90.6 | 92.8 | 93.2 | 95.2 | 95.8  | 95.8 | 97.9  | 98.1   | 98.8  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057

PHILLIPS/ABERDEEN MD

48-57

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0600

|                     |       | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|---------------------|-------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| CEILING - FEET      |       | ≥10                        | 26   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12    |
| NO. FLYING<br>20000 | 20000 | 2.2                        | 30.3 | 38.9 | 41.4 | 44.1 | 44.8 | 45.7 | 46.6 | 46.7 | 47.3 | 47.6 | 47.6 | 48.0 | 48.0 | 48.2 | 48.6  |
|                     | 20000 | 24.2                       | 41.0 | 43.7 | 46.2 | 49.2 | 49.9 | 50.9 | 51.8 | 51.9 | 52.6 | 52.8 | 52.8 | 53.2 | 53.2 | 53.8 | 53.8  |
| 18000               | 18000 | 24.2                       | 41.6 | 44.3 | 46.9 | 50.0 | 50.7 | 51.7 | 52.6 | 52.7 | 53.3 | 53.6 | 53.6 | 54.0 | 54.0 | 54.2 | 54.6  |
|                     | 18000 | 24.4                       | 41.9 | 44.7 | 47.2 | 50.4 | 51.1 | 52.1 | 53.0 | 53.1 | 53.8 | 54.0 | 54.0 | 54.4 | 54.4 | 54.7 | 55.0  |
| 16000               | 16000 | 25.1                       | 42.8 | 45.9 | 48.4 | 51.7 | 52.3 | 53.3 | 54.2 | 54.3 | 55.0 | 55.2 | 55.2 | 55.7 | 55.7 | 55.9 | 56.2  |
|                     | 16000 | 26.3                       | 45.0 | 48.3 | 51.0 | 54.6 | 55.3 | 56.3 | 57.4 | 57.6 | 58.3 | 58.6 | 58.6 | 59.0 | 59.1 | 59.2 | 59.6  |
| 14000               | 14000 | 27.2                       | 48.9 | 52.4 | 55.7 | 59.6 | 60.4 | 61.4 | 62.7 | 62.8 | 63.6 | 63.8 | 63.8 | 64.2 | 64.2 | 64.4 | 64.8  |
|                     | 14000 | 27.4                       | 49.2 | 53.0 | 56.2 | 60.1 | 61.1 | 62.1 | 63.6 | 63.7 | 64.6 | 64.8 | 64.8 | 65.2 | 65.2 | 65.4 | 65.8  |
| 12000               | 12000 | 29.1                       | 52.2 | 56.6 | 59.9 | 63.8 | 64.8 | 65.9 | 67.3 | 67.4 | 68.3 | 68.6 | 68.6 | 69.0 | 69.0 | 69.2 | 69.6  |
|                     | 12000 | 28.3                       | 53.3 | 57.9 | 61.2 | 65.1 | 66.3 | 67.4 | 68.9 | 69.0 | 69.9 | 70.1 | 70.1 | 70.6 | 70.6 | 70.8 | 71.1  |
| 10000               | 10000 | 23.7                       | 54.8 | 59.4 | 62.9 | 66.8 | 68.2 | 69.3 | 70.8 | 70.9 | 71.8 | 72.0 | 72.0 | 72.4 | 72.4 | 72.7 | 73.0  |
|                     | 10000 | 28.8                       | 55.3 | 60.1 | 63.6 | 67.4 | 68.9 | 70.1 | 71.6 | 71.7 | 72.6 | 72.8 | 72.8 | 73.2 | 73.2 | 73.4 | 73.8  |
| 8000                | 8000  | 29.1                       | 56.1 | 60.9 | 64.4 | 68.4 | 69.9 | 71.3 | 72.8 | 72.9 | 73.8 | 74.0 | 74.0 | 74.4 | 74.4 | 74.7 | 75.0  |
|                     | 8000  | 29.4                       | 57.2 | 62.1 | 65.7 | 69.8 | 71.2 | 72.8 | 74.2 | 74.3 | 75.2 | 75.4 | 75.4 | 75.9 | 75.9 | 76.1 | 76.4  |
| 6000                | 6000  | 29.4                       | 57.8 | 62.8 | 66.3 | 70.7 | 72.1 | 73.7 | 75.1 | 75.2 | 76.1 | 76.3 | 76.3 | 76.8 | 76.8 | 77.0 | 77.3  |
|                     | 6000  | 30.3                       | 59.2 | 64.2 | 67.9 | 72.3 | 73.8 | 75.3 | 76.9 | 77.0 | 77.9 | 78.1 | 78.1 | 78.6 | 78.6 | 78.8 | 79.1  |
| 4000                | 4000  | 31.3                       | 60.7 | 66.1 | 69.8 | 74.6 | 76.0 | 77.7 | 79.6 | 79.7 | 80.6 | 80.7 | 80.8 | 81.2 | 81.2 | 81.6 | 81.9  |
|                     | 4000  | 31.8                       | 61.8 | 67.3 | 71.7 | 76.4 | 77.9 | 79.6 | 81.9 | 82.0 | 83.0 | 83.2 | 83.2 | 83.7 | 83.7 | 84.0 | 84.3  |
| 2000                | 2000  | 31.9                       | 62.1 | 67.7 | 72.0 | 76.8 | 78.2 | 79.9 | 82.3 | 82.4 | 83.4 | 83.7 | 83.7 | 84.1 | 84.1 | 84.4 | 84.8  |
|                     | 2000  | 32.2                       | 63.0 | 68.7 | 73.0 | 77.8 | 79.3 | 81.0 | 83.6 | 83.7 | 84.7 | 84.9 | 84.9 | 85.3 | 85.3 | 85.7 | 86.0  |
| 1000                | 1000  | 32.3                       | 63.6 | 69.8 | 74.1 | 78.9 | 80.4 | 82.1 | 84.8 | 84.9 | 85.9 | 86.1 | 86.1 | 86.6 | 86.6 | 86.9 | 87.2  |
|                     | 1000  | 32.4                       | 64.6 | 70.8 | 75.4 | 80.7 | 82.2 | 83.9 | 86.6 | 86.8 | 88.0 | 88.2 | 88.2 | 88.7 | 88.7 | 89.0 | 89.3  |
| 500                 | 500   | 32.7                       | 65.0 | 71.3 | 76.1 | 81.2 | 82.8 | 84.4 | 87.1 | 87.3 | 88.8 | 89.0 | 89.0 | 89.4 | 89.4 | 89.8 | 90.1  |
|                     | 500   | 32.7                       | 65.0 | 71.6 | 76.3 | 81.9 | 83.6 | 85.7 | 88.3 | 88.6 | 90.1 | 90.3 | 90.3 | 90.8 | 90.8 | 91.1 | 91.4  |
| 200                 | 200   | 32.7                       | 65.2 | 71.9 | 76.8 | 82.4 | 84.3 | 86.4 | 89.1 | 89.4 | 91.0 | 91.3 | 91.3 | 91.8 | 91.8 | 92.1 | 92.4  |
|                     | 200   | 32.7                       | 65.4 | 72.1 | 77.2 | 83.0 | 85.0 | 87.3 | 90.1 | 90.6 | 92.1 | 92.4 | 92.6 | 93.0 | 93.0 | 93.3 | 93.7  |
| 100                 | 100   | 32.7                       | 65.4 | 72.2 | 77.3 | 83.1 | 85.3 | 87.9 | 91.2 | 91.8 | 93.6 | 93.9 | 94.0 | 94.6 | 94.7 | 95.0 | 95.4  |
|                     | 100   | 32.7                       | 65.4 | 72.2 | 77.3 | 83.3 | 85.7 | 88.6 | 92.2 | 92.9 | 94.8 | 95.1 | 95.2 | 95.9 | 96.0 | 96.3 | 96.8  |
| 50                  | 50    | 32.7                       | 65.4 | 72.2 | 77.3 | 83.3 | 85.8 | 88.7 | 92.3 | 93.1 | 95.0 | 95.4 | 95.7 | 96.3 | 96.4 | 96.8 | 97.4  |
|                     | 50    | 32.7                       | 65.4 | 72.2 | 77.3 | 83.3 | 85.9 | 88.8 | 92.4 | 93.2 | 95.7 | 96.1 | 96.3 | 97.0 | 97.4 | 98.0 | 98.8  |
| 20                  | 20    | 32.7                       | 65.4 | 72.2 | 77.3 | 83.3 | 85.9 | 88.8 | 92.4 | 93.2 | 95.7 | 96.2 | 96.4 | 97.2 | 97.7 | 98.2 | 99.8  |
|                     | 20    | 32.7                       | 65.4 | 72.2 | 77.3 | 83.3 | 85.9 | 88.8 | 92.4 | 93.2 | 95.7 | 96.2 | 96.4 | 97.2 | 97.7 | 98.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72457  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

46-57  
YEAR

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-1100  
TIME

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |       |       |       |       |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
|                 | ≥10                      | ≥8   | ≥6   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    | ≥1    | ≥1    | ≥1    |
| NO CEILING      | 33.4                     | 49.0 | 50.8 | 52.1 | 52.3 | 52.3 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6  | 52.6  | 52.6  | 52.6  |
| ≥ 20000         | 35.9                     | 53.4 | 55.2 | 56.7 | 56.9 | 56.9 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1  | 57.1  | 57.1  | 57.1  |
| ≥ 18000         | 36.1                     | 54.1 | 55.9 | 57.3 | 57.6 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8  | 57.8  | 57.8  | 57.8  |
| ≥ 16000         | 36.2                     | 54.2 | 56.0 | 57.4 | 57.7 | 57.7 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9  | 57.9  | 57.9  | 57.9  |
| ≥ 14000         | 36.7                     | 55.1 | 57.0 | 58.4 | 58.7 | 58.7 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9  | 58.9  | 58.9  | 58.9  |
| ≥ 12000         | 39.0                     | 58.4 | 62.7 | 62.4 | 62.7 | 62.7 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9  | 62.9  | 62.9  | 62.9  |
| ≥ 10000         | 40.3                     | 61.2 | 63.8 | 65.8 | 66.0 | 66.0 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2  | 66.2  | 66.2  | 66.2  |
| ≥ 9000          | 40.4                     | 61.8 | 64.4 | 66.4 | 66.7 | 66.7 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9  | 66.9  | 66.9  | 66.9  |
| ≥ 8000          | 41.0                     | 63.3 | 66.2 | 68.2 | 68.4 | 68.4 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7  | 68.7  | 68.7  | 68.7  |
| ≥ 7000          | 41.7                     | 65.4 | 68.4 | 70.4 | 70.7 | 70.7 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  | 70.9  | 70.9  | 70.9  |
| ≥ 6000          | 42.1                     | 66.1 | 69.3 | 71.7 | 72.0 | 72.1 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4  | 72.4  | 72.4  | 72.4  |
| ≥ 5000          | 42.3                     | 67.1 | 70.4 | 73.0 | 73.3 | 73.4 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9  | 73.9  | 73.9  | 73.9  |
| ≥ 4500          | 43.2                     | 67.6 | 71.7 | 73.6 | 73.9 | 74.0 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4  | 74.4  | 74.4  | 74.4  |
| ≥ 4000          | 44.8                     | 69.7 | 73.2 | 75.8 | 76.1 | 76.2 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7  | 76.7  | 76.7  | 76.7  |
| ≥ 3500          | 45.2                     | 70.3 | 73.9 | 76.7 | 77.0 | 77.1 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6  | 77.6  | 77.6  | 77.6  |
| ≥ 3000          | 46.1                     | 71.9 | 75.4 | 78.3 | 78.7 | 78.8 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2  | 79.2  | 79.2  | 79.2  |
| ≥ 2500          | 47.1                     | 74.2 | 78.0 | 81.0 | 81.4 | 81.6 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1  | 82.1  | 82.1  | 82.1  |
| ≥ 2000          | 48.0                     | 76.4 | 80.3 | 83.4 | 84.0 | 84.1 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7  | 84.7  | 84.7  | 84.7  |
| ≥ 1800          | 48.1                     | 76.6 | 80.4 | 83.6 | 84.1 | 84.2 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8  | 84.8  | 84.8  | 84.8  |
| ≥ 1500          | 49.4                     | 79.4 | 83.6 | 86.8 | 87.4 | 87.8 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4  | 88.4  | 88.4  | 88.4  |
| ≥ 1200          | 50.1                     | 81.0 | 85.4 | 88.8 | 90.0 | 90.6 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3  | 91.3  | 91.3  | 91.3  |
| ≥ 1000          | 50.1                     | 82.0 | 86.8 | 90.8 | 92.3 | 93.0 | 93.7 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0  | 94.0  | 94.0  | 94.0  |
| ≥ 900           | 50.7                     | 83.3 | 88.1 | 92.2 | 93.9 | 94.7 | 95.4 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8  | 95.8  | 95.8  | 95.8  |
| ≥ 800           | 50.7                     | 83.8 | 88.6 | 92.8 | 94.7 | 95.6 | 96.4 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8  | 96.8  | 96.8  | 96.8  |
| ≥ 700           | 50.7                     | 84.0 | 88.8 | 93.0 | 94.9 | 95.9 | 97.2 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7  | 97.7  | 97.7  | 97.7  |
| ≥ 600           | 50.7                     | 84.1 | 88.9 | 93.2 | 95.1 | 96.1 | 97.4 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0  | 98.0  | 98.0  | 98.0  |
| ≥ 500           | 50.7                     | 84.1 | 88.9 | 93.2 | 95.3 | 96.4 | 98.1 | 98.6 | 98.8 | 99.1 | 99.3 | 99.3 | 99.3  | 99.3  | 99.3  | 99.3  |
| ≥ 400           | 50.7                     | 84.1 | 88.9 | 93.2 | 95.3 | 96.4 | 98.2 | 98.9 | 99.1 | 99.6 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  |
| ≥ 300           | 50.7                     | 84.1 | 88.9 | 93.2 | 95.3 | 96.4 | 98.2 | 98.9 | 99.1 | 99.6 | 99.8 | 99.8 | 99.9  | 99.9  | 99.9  | 99.9  |
| ≥ 200           | 50.7                     | 84.1 | 88.9 | 93.2 | 95.3 | 96.6 | 98.3 | 99.0 | 99.2 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100           | 50.7                     | 84.1 | 88.9 | 93.2 | 95.3 | 96.6 | 98.3 | 99.0 | 99.2 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0             | 50.7                     | 84.1 | 88.9 | 93.2 | 95.3 | 96.6 | 98.3 | 99.0 | 99.2 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724-57 PHILLIPS/ABERDEEN MD

4a-57

562

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1230-1400

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥ 10                       | 20   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12   |
| ≥ 20000         | 40.2                       | 50.7 | 51.7 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| 18000           | 44.6                       | 56.9 | 57.9 | 58.4 | 58.4 | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| 16000           | 45.3                       | 57.7 | 58.7 | 59.2 | 59.2 | 59.3 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| 14000           | 45.9                       | 58.7 | 59.7 | 60.2 | 60.2 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| 12000           | 46.6                       | 59.9 | 60.9 | 61.4 | 61.4 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| 10000           | 49.1                       | 63.4 | 64.4 | 65.4 | 65.4 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| 9000            | 51.3                       | 67.0 | 68.0 | 68.8 | 68.8 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| 8000            | 51.4                       | 68.3 | 69.3 | 70.2 | 70.3 | 70.4 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| 7000            | 52.4                       | 69.7 | 70.8 | 71.8 | 71.9 | 72.0 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| 6000            | 53.3                       | 71.3 | 72.7 | 73.7 | 74.1 | 74.3 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| 5000            | 54.0                       | 72.4 | 73.9 | 74.9 | 75.3 | 75.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| 4500            | 54.9                       | 73.4 | 74.9 | 75.9 | 76.3 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| 4000            | 55.7                       | 74.3 | 75.8 | 77.0 | 77.4 | 77.8 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 3500            | 57.6                       | 76.7 | 78.1 | 79.3 | 79.8 | 80.1 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| 3000            | 58.6                       | 77.8 | 79.3 | 80.6 | 81.1 | 81.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 2500            | 60.6                       | 81.4 | 83.1 | 84.3 | 85.1 | 85.4 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| 2000            | 62.2                       | 84.2 | 86.0 | 87.3 | 88.3 | 88.7 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 1800            | 63.1                       | 86.3 | 88.1 | 89.9 | 91.1 | 91.6 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| 1600            | 63.1                       | 86.6 | 88.3 | 90.2 | 91.6 | 92.0 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 1400            | 64.1                       | 87.9 | 89.7 | 91.8 | 93.2 | 93.8 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 1200            | 64.2                       | 88.6 | 90.3 | 92.6 | 94.2 | 95.1 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 1000            | 64.6                       | 89.4 | 91.4 | 93.9 | 95.7 | 96.7 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 900             | 64.6                       | 89.6 | 91.6 | 94.1 | 95.9 | 96.9 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| 800             | 64.6                       | 89.7 | 91.8 | 94.6 | 96.6 | 97.6 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 700             | 64.6                       | 89.8 | 91.9 | 94.7 | 96.7 | 97.8 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 600             | 64.6                       | 89.9 | 92.0 | 94.9 | 97.0 | 98.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 500             | 64.6                       | 89.9 | 92.0 | 94.9 | 97.0 | 98.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 400             | 64.6                       | 89.9 | 92.0 | 94.9 | 97.0 | 98.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 300             | 64.6                       | 89.9 | 92.0 | 94.9 | 97.0 | 98.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 200             | 64.6                       | 89.9 | 92.0 | 94.9 | 97.0 | 98.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 100             | 64.6                       | 89.9 | 92.0 | 94.9 | 97.0 | 98.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 0               | 64.6                       | 89.9 | 92.0 | 94.9 | 97.0 | 98.1 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AID WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724357

PHILLIPS/ABERDEEN MD

48-57

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

|      |      | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |
|------|------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|
|      |      | 20                         | 20   | 25   | 24   | 23   | 22   | 22   | 21   | 21   | 24   | 21   | 2    | 25/10 | 24   | 20   |      |
| 1000 | FEET | 44.4                       | 52.6 | 53.1 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2  | 54.2 | 54.2 | 54.2 |
| 900  | FEET | 51.2                       | 59.6 | 62.3 | 61.3 | 61.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8  | 61.8 | 61.8 | 61.8 |
| 800  | FEET | 51.9                       | 61.4 | 61.8 | 62.8 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2  | 63.2 | 63.2 | 63.2 |
| 700  | FEET | 51.9                       | 61.4 | 61.8 | 62.8 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2  | 63.2 | 63.2 | 63.2 |
| 600  | FEET | 53.4                       | 63.4 | 63.8 | 64.8 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2  | 65.2 | 65.2 | 65.2 |
| 500  | FEET | 56.7                       | 67.0 | 67.3 | 68.4 | 68.8 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0  | 69.0 | 69.0 | 69.0 |
| 400  | FEET | 58.6                       | 71.4 | 71.8 | 73.0 | 73.4 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7  | 73.7 | 73.7 | 73.7 |
| 300  | FEET | 59.0                       | 72.4 | 72.8 | 74.0 | 74.4 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7  | 74.7 | 74.7 | 74.7 |
| 200  | FEET | 60.6                       | 74.9 | 75.4 | 76.9 | 77.4 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7  | 77.7 | 77.7 | 77.7 |
| 100  | FEET | 61.1                       | 76.7 | 77.4 | 78.9 | 79.4 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7  | 79.7 | 79.7 | 79.7 |
| 6000 | FOOT | 62.2                       | 78.3 | 79.0 | 80.7 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6  | 81.6 | 81.6 | 81.6 |
| 5000 | FOOT | 63.8                       | 80.1 | 81.0 | 82.7 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.6 | 83.6 | 83.6 | 83.6  | 83.6 | 83.6 | 83.6 |
| 4500 | FOOT | 64.7                       | 81.7 | 82.6 | 84.2 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2  | 85.2 | 85.2 | 85.2 |
| 4000 | FOOT | 65.4                       | 83.0 | 83.9 | 85.7 | 86.3 | 86.7 | 86.7 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9  | 86.9 | 86.9 | 86.9 |
| 3500 | FOOT | 66.1                       | 83.9 | 84.9 | 86.7 | 87.3 | 87.7 | 87.7 | 87.9 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1  | 88.1 | 88.1 | 88.1 |
| 3000 | FOOT | 67.4                       | 86.2 | 87.4 | 89.2 | 89.9 | 90.2 | 90.2 | 90.4 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7  | 90.7 | 90.7 | 90.7 |
| 2500 | FOOT | 68.2                       | 87.6 | 88.8 | 90.7 | 91.4 | 92.0 | 92.0 | 92.2 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4  | 92.4 | 92.4 | 92.4 |
| 2000 | FOOT | 69.1                       | 89.2 | 90.7 | 92.8 | 93.6 | 94.2 | 94.2 | 94.4 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7  | 94.7 | 94.7 | 94.7 |
| 1800 | FOOT | 69.1                       | 89.2 | 90.7 | 92.8 | 93.6 | 94.4 | 94.4 | 94.7 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9  | 94.9 | 94.9 | 94.9 |
| 1600 | FOOT | 69.2                       | 89.4 | 90.9 | 93.0 | 94.3 | 95.0 | 95.0 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4  | 95.4 | 95.4 | 95.4 |
| 1400 | FOOT | 69.4                       | 90.3 | 91.8 | 94.1 | 95.6 | 96.3 | 96.3 | 96.8 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1  | 97.1 | 97.1 | 97.1 |
| 1200 | FOOT | 69.6                       | 90.6 | 92.1 | 94.7 | 96.2 | 97.0 | 97.0 | 97.4 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8  | 97.8 | 97.8 | 97.8 |
| 1000 | FOOT | 69.6                       | 90.6 | 92.1 | 94.7 | 96.4 | 97.3 | 97.3 | 98.0 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3  | 98.3 | 98.3 | 98.3 |
| 900  | FOOT | 69.6                       | 90.6 | 92.1 | 94.7 | 96.4 | 97.4 | 97.4 | 98.1 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4  | 98.4 | 98.4 | 98.4 |
| 800  | FOOT | 69.6                       | 90.6 | 92.1 | 94.7 | 96.6 | 97.6 | 97.6 | 98.6 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9  | 98.9 | 98.9 | 98.9 |
| 700  | FOOT | 69.6                       | 90.6 | 92.1 | 94.7 | 96.6 | 97.7 | 97.7 | 98.7 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0  | 99.0 | 99.0 | 99.0 |
| 600  | FOOT | 69.6                       | 90.7 | 92.2 | 94.8 | 96.9 | 98.0 | 98.1 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7  | 99.7 | 99.7 | 99.7 |
| 500  | FOOT | 69.6                       | 90.7 | 92.2 | 94.9 | 97.0 | 98.1 | 98.2 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8 | 99.8 |
| 400  | FOOT | 69.6                       | 90.7 | 92.2 | 94.9 | 97.0 | 98.1 | 98.2 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8 | 99.8 |
| 300  | FOOT | 69.6                       | 90.7 | 92.2 | 94.9 | 97.0 | 98.1 | 98.2 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8 | 99.8 |
| 200  | FOOT | 69.6                       | 90.7 | 92.2 | 94.9 | 97.0 | 98.1 | 98.2 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8 | 99.8 |
| 100  | FOOT | 69.6                       | 90.7 | 92.2 | 94.9 | 97.0 | 98.1 | 98.2 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8  | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057

PHILLIPS/ABERDEEN MD

48-57

SLE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1810-2000

| CEILING<br>FEET        | VISIBILITY STATUTE MILES |      |      |      |      |       |      |       |      |       |      |       |      |       |       |       |
|------------------------|--------------------------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|
|                        | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .01 | ≥ .00 |
| NO. CEILING<br>1 20000 | 39.7                     | 54.1 | 55.2 | 55.7 | 55.8 | 55.8  | 55.8 | 56.1  | 56.1 | 56.1  | 56.1 | 56.1  | 56.1 | 56.1  | 56.1  | 56.1  |
| 2 18000                | 43.1                     | 59.1 | 60.3 | 60.8 | 60.9 | 60.9  | 60.9 | 61.3  | 61.3 | 61.3  | 61.3 | 61.3  | 61.3 | 61.3  | 61.3  | 61.3  |
| 3 16000                | 43.2                     | 59.7 | 60.9 | 61.3 | 61.4 | 61.4  | 61.4 | 61.9  | 61.9 | 61.9  | 61.9 | 61.9  | 61.9 | 61.9  | 61.9  | 61.9  |
| 4 14000                | 43.8                     | 60.6 | 61.9 | 62.3 | 62.4 | 62.4  | 62.4 | 62.9  | 62.9 | 62.9  | 62.9 | 62.9  | 62.9 | 62.9  | 62.9  | 62.9  |
| 5 12000                | 45.0                     | 62.1 | 63.4 | 63.9 | 64.0 | 64.0  | 64.0 | 64.4  | 64.4 | 64.4  | 64.4 | 64.4  | 64.4 | 64.4  | 64.4  | 64.4  |
| 6 10000                | 46.6                     | 64.7 | 66.1 | 66.7 | 66.8 | 67.0  | 67.0 | 67.4  | 67.4 | 67.4  | 67.4 | 67.4  | 67.4 | 67.4  | 67.4  | 67.4  |
| 7 8000                 | 48.6                     | 69.7 | 71.7 | 72.3 | 72.4 | 72.7  | 72.7 | 73.1  | 73.1 | 73.1  | 73.1 | 73.1  | 73.1 | 73.1  | 73.1  | 73.1  |
| 8 6000                 | 48.7                     | 71.3 | 72.3 | 73.4 | 73.6 | 73.8  | 73.8 | 74.2  | 74.2 | 74.2  | 74.2 | 74.2  | 74.2 | 74.2  | 74.2  | 74.2  |
| 9 4000                 | 49.4                     | 72.2 | 74.4 | 76.0 | 76.2 | 76.4  | 76.4 | 76.9  | 76.9 | 76.9  | 76.9 | 76.9  | 76.9 | 76.9  | 76.9  | 76.9  |
| 10 2000                | 50.6                     | 74.2 | 76.7 | 78.3 | 78.6 | 78.8  | 78.8 | 79.2  | 79.2 | 79.2  | 79.2 | 79.2  | 79.2 | 79.2  | 79.2  | 79.2  |
| 11 1000                | 51.2                     | 75.4 | 78.0 | 79.7 | 79.9 | 80.1  | 80.1 | 80.6  | 80.6 | 80.6  | 80.6 | 80.6  | 80.6 | 80.6  | 80.6  | 80.6  |
| 12 500                 | 51.9                     | 77.3 | 79.9 | 81.6 | 82.0 | 82.2  | 82.2 | 82.7  | 82.7 | 82.7  | 82.7 | 82.7  | 82.7 | 82.7  | 82.7  | 82.7  |
| 13 400                 | 52.1                     | 78.4 | 81.1 | 82.8 | 83.2 | 83.6  | 83.7 | 84.1  | 84.1 | 84.1  | 84.1 | 84.1  | 84.1 | 84.1  | 84.1  | 84.1  |
| 14 300                 | 53.0                     | 79.9 | 82.6 | 84.6 | 85.1 | 85.3  | 85.4 | 85.9  | 85.9 | 85.9  | 85.9 | 85.9  | 85.9 | 85.9  | 85.9  | 85.9  |
| 15 200                 | 53.6                     | 80.9 | 83.7 | 85.8 | 86.2 | 86.6  | 86.7 | 87.1  | 87.1 | 87.1  | 87.1 | 87.1  | 87.1 | 87.1  | 87.1  | 87.1  |
| 16 100                 | 54.6                     | 82.7 | 85.6 | 87.6 | 88.4 | 88.9  | 89.2 | 89.9  | 89.9 | 89.9  | 89.9 | 89.9  | 89.9 | 89.9  | 89.9  | 89.9  |
| 17 80                  | 54.6                     | 84.7 | 87.8 | 90.3 | 91.1 | 91.7  | 92.0 | 92.7  | 92.7 | 92.7  | 92.7 | 92.7  | 92.7 | 92.7  | 92.7  | 92.7  |
| 18 60                  | 55.2                     | 85.6 | 89.1 | 91.8 | 92.8 | 93.4  | 93.8 | 94.6  | 94.6 | 94.6  | 94.6 | 94.6  | 94.6 | 94.6  | 94.6  | 94.6  |
| 19 40                  | 55.3                     | 85.8 | 89.2 | 92.1 | 93.1 | 93.8  | 94.1 | 94.9  | 94.9 | 94.9  | 94.9 | 94.9  | 94.9 | 94.9  | 94.9  | 94.9  |
| 20 20                  | 55.4                     | 86.0 | 89.7 | 92.6 | 93.7 | 94.4  | 94.8 | 95.6  | 95.6 | 95.6  | 95.6 | 95.6  | 95.6 | 95.6  | 95.6  | 95.6  |
| 21 10                  | 55.4                     | 86.4 | 90.1 | 93.1 | 94.3 | 95.3  | 95.7 | 96.4  | 96.4 | 96.4  | 96.4 | 96.4  | 96.4 | 96.4  | 96.4  | 96.4  |
| 22 5                   | 55.4                     | 86.8 | 90.4 | 93.8 | 95.6 | 96.6  | 96.9 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  | 97.7 | 97.7  | 97.7  | 97.7  |
| 23 3                   | 55.4                     | 87.1 | 90.8 | 94.1 | 95.9 | 96.9  | 97.4 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3  |
| 24 1                   | 55.4                     | 87.1 | 90.8 | 94.1 | 95.9 | 96.9  | 97.4 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3  |
| 25 .5                  | 55.4                     | 87.1 | 90.8 | 94.1 | 95.9 | 96.9  | 97.4 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3  |
| 26 .25                 | 55.4                     | 87.1 | 90.8 | 94.1 | 95.9 | 96.9  | 97.4 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3  |
| 27 .1                  | 55.4                     | 87.1 | 90.8 | 94.1 | 95.9 | 96.9  | 97.4 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3  |
| 28 .05                 | 55.4                     | 87.1 | 90.8 | 94.1 | 95.9 | 96.9  | 97.4 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3  |
| 29 .01                 | 55.4                     | 87.1 | 90.8 | 94.1 | 95.9 | 96.9  | 97.4 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3  |
| 30 .00                 | 55.4                     | 87.1 | 90.8 | 94.1 | 95.9 | 96.9  | 97.4 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3 | 98.3  | 98.3  | 98.3  |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

48-57

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

110-2300

| CEILING<br>FEET |       | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |        |
|-----------------|-------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
|                 |       | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| 10000           | 10000 | 32.6                       | 56.7 | 58.8 | 60.9 | 61.7 | 61.8 | 62.1 | 62.6 | 62.8 | 62.9 | 63.0  | 63.0 | 63.3  | 63.3   | 63.3  | 63.3   |
|                 | 8000  | 34.8                       | 59.6 | 61.7 | 63.6 | 64.6 | 64.7 | 65.2 | 65.7 | 65.7 | 65.8 | 65.9  | 65.9 | 66.2  | 66.2   | 66.2  | 66.2   |
| 8000            | 8000  | 34.8                       | 60.1 | 62.2 | 64.4 | 65.2 | 65.3 | 65.7 | 66.3 | 66.3 | 66.4 | 66.6  | 66.6 | 66.9  | 66.9   | 66.9  | 66.9   |
|                 | 6000  | 35.0                       | 60.6 | 62.7 | 64.9 | 65.7 | 65.8 | 66.1 | 66.8 | 66.8 | 66.9 | 67.0  | 67.0 | 67.3  | 67.3   | 67.3  | 67.3   |
| 6000            | 6000  | 35.4                       | 61.8 | 63.9 | 66.2 | 67.1 | 67.1 | 67.4 | 68.1 | 68.1 | 68.3 | 68.4  | 68.4 | 68.8  | 68.8   | 68.8  | 68.8   |
|                 | 4000  | 37.9                       | 65.6 | 67.7 | 70.0 | 70.8 | 70.9 | 71.2 | 71.9 | 71.9 | 72.1 | 72.2  | 72.2 | 72.6  | 72.6   | 72.6  | 72.6   |
| 4000            | 4000  | 39.0                       | 69.8 | 72.0 | 74.4 | 75.2 | 75.3 | 75.7 | 76.3 | 76.3 | 76.6 | 76.7  | 76.7 | 77.0  | 77.0   | 77.0  | 77.0   |
|                 | 2000  | 39.7                       | 71.2 | 73.4 | 76.0 | 76.8 | 76.9 | 77.2 | 77.9 | 77.9 | 78.1 | 78.2  | 78.2 | 78.6  | 78.6   | 78.6  | 78.6   |
| 2000            | 2000  | 40.0                       | 71.9 | 74.1 | 76.7 | 77.4 | 77.6 | 77.9 | 78.6 | 78.6 | 78.8 | 78.9  | 78.9 | 79.2  | 79.2   | 79.2  | 79.2   |
|                 | 1000  | 40.4                       | 73.4 | 76.1 | 78.8 | 79.6 | 79.7 | 80.0 | 80.7 | 80.7 | 80.9 | 81.0  | 81.0 | 81.3  | 81.3   | 81.3  | 81.3   |
| 1000            | 1000  | 40.9                       | 74.7 | 77.4 | 80.3 | 81.1 | 81.2 | 81.6 | 82.2 | 82.2 | 82.4 | 82.6  | 82.6 | 82.9  | 82.9   | 82.9  | 82.9   |
|                 | 500   | 41.1                       | 76.3 | 79.1 | 82.1 | 82.9 | 83.0 | 83.3 | 84.0 | 84.0 | 84.2 | 84.3  | 84.3 | 84.7  | 84.7   | 84.7  | 84.7   |
| 500             | 500   | 41.2                       | 77.0 | 79.8 | 82.8 | 83.8 | 83.9 | 84.2 | 84.9 | 84.9 | 85.1 | 85.2  | 85.2 | 85.6  | 85.6   | 85.6  | 85.6   |
|                 | 200   | 41.7                       | 78.6 | 81.3 | 84.3 | 85.3 | 85.4 | 85.8 | 86.4 | 86.4 | 86.7 | 86.8  | 86.8 | 87.1  | 87.1   | 87.1  | 87.1   |
| 200             | 200   | 42.1                       | 79.8 | 82.6 | 85.7 | 86.7 | 86.8 | 87.2 | 87.9 | 87.9 | 88.1 | 88.2  | 88.2 | 88.6  | 88.6   | 88.6  | 88.6   |
|                 | 100   | 42.2                       | 80.3 | 83.2 | 86.6 | 87.6 | 87.7 | 88.2 | 88.9 | 88.9 | 89.1 | 89.2  | 89.2 | 89.6  | 89.6   | 89.6  | 89.6   |
| 100             | 100   | 42.3                       | 81.2 | 84.1 | 87.4 | 88.6 | 88.7 | 89.2 | 89.9 | 89.9 | 90.1 | 90.2  | 90.2 | 90.6  | 90.6   | 90.6  | 90.6   |
|                 | 50    | 42.7                       | 82.0 | 85.1 | 88.4 | 89.6 | 89.7 | 90.3 | 91.0 | 91.0 | 91.2 | 91.3  | 91.3 | 91.7  | 91.7   | 91.7  | 91.7   |
| 50              | 50    | 42.7                       | 82.6 | 85.7 | 89.1 | 90.2 | 90.3 | 91.0 | 91.7 | 91.7 | 91.9 | 92.0  | 92.0 | 92.3  | 92.3   | 92.3  | 92.3   |
|                 | 25    | 42.8                       | 83.1 | 86.4 | 90.1 | 91.2 | 91.4 | 92.4 | 93.1 | 93.1 | 93.3 | 93.4  | 93.4 | 93.8  | 93.8   | 93.8  | 93.8   |
| 25              | 25    | 42.8                       | 83.2 | 87.0 | 90.8 | 91.9 | 92.1 | 93.1 | 93.8 | 93.8 | 94.1 | 94.2  | 94.2 | 94.6  | 94.6   | 94.6  | 94.6   |
|                 | 10    | 42.3                       | 83.9 | 87.7 | 91.9 | 93.3 | 93.6 | 94.6 | 95.2 | 95.2 | 95.7 | 95.8  | 95.8 | 96.1  | 96.1   | 96.1  | 96.1   |
| 10              | 10    | 42.9                       | 84.4 | 88.2 | 92.4 | 93.9 | 94.2 | 95.2 | 95.9 | 96.1 | 96.6 | 96.7  | 96.7 | 97.1  | 97.1   | 97.1  | 97.1   |
|                 | 5     | 42.9                       | 84.6 | 88.3 | 92.6 | 94.0 | 94.4 | 95.6 | 96.4 | 96.7 | 97.1 | 97.2  | 97.2 | 97.8  | 97.9   | 97.9  | 97.9   |
| 5               | 5     | 42.9                       | 84.6 | 88.3 | 92.6 | 94.0 | 94.4 | 95.6 | 96.4 | 96.7 | 97.1 | 97.2  | 97.2 | 97.8  | 97.9   | 97.9  | 97.9   |
|                 | 2     | 42.9                       | 84.8 | 88.7 | 92.9 | 94.4 | 94.9 | 96.1 | 97.1 | 97.3 | 97.9 | 98.0  | 98.0 | 98.6  | 98.7   | 98.7  | 98.7   |
| 2               | 2     | 42.9                       | 85.0 | 89.0 | 93.2 | 94.8 | 95.2 | 96.4 | 97.4 | 97.7 | 98.2 | 98.3  | 98.3 | 98.9  | 99.0   | 99.0  | 99.0   |
|                 | 1     | 42.9                       | 85.0 | 89.0 | 93.2 | 94.8 | 95.2 | 96.6 | 97.7 | 98.0 | 98.6 | 98.7  | 98.7 | 99.2  | 99.3   | 99.3  | 99.3   |
| 1               | 1     | 42.9                       | 85.0 | 89.0 | 93.2 | 94.8 | 95.2 | 96.6 | 97.7 | 98.0 | 98.6 | 98.7  | 98.7 | 99.2  | 99.3   | 99.3  | 99.3   |
|                 | 0.5   | 42.9                       | 85.0 | 89.0 | 93.2 | 95.1 | 95.6 | 96.9 | 98.0 | 98.3 | 99.0 | 99.1  | 99.1 | 99.7  | 99.9   | 99.9  | 99.9   |
| 0.5             | 0.5   | 42.9                       | 85.0 | 89.0 | 93.2 | 95.1 | 95.6 | 96.9 | 98.0 | 98.3 | 99.0 | 99.1  | 99.1 | 99.7  | 99.9   | 99.9  | 99.9   |
|                 | 0.25  | 42.9                       | 85.0 | 89.0 | 93.2 | 95.1 | 95.6 | 96.9 | 98.0 | 98.3 | 99.0 | 99.1  | 99.1 | 99.7  | 99.9   | 99.9  | 99.9   |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724557 PHILLIPS/ABERDEEN MD

40-57

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |       |      |       |      |      |      |      |      |       |       |       |
|-----------------|----------------------------|------|------|------|------|-------|------|-------|------|------|------|------|------|-------|-------|-------|
|                 | ≥ 10                       | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2.5 | ≥ 2  | ≥ 1.5 | ≥ 1  | ≥ .5 | ≥ .3 | ≥ .2 | ≥ .1 | ≥ .05 | ≥ .03 | ≥ .01 |
| NO CEILING      | 32.9                       | 49.7 | 51.7 | 53.0 | 53.9 | 54.2  | 54.9 | 55.3  | 55.4 | 55.6 | 55.9 | 55.9 | 56.2 | 56.2  | 56.2  | 56.3  |
| ≥ 20000         | 35.6                       | 53.8 | 55.4 | 57.2 | 58.2 | 58.5  | 59.3 | 59.8  | 59.8 | 60.2 | 60.3 | 60.3 | 60.6 | 60.6  | 60.7  | 60.7  |
| ≥ 18000         | 35.9                       | 54.6 | 56.2 | 58.0 | 59.0 | 59.3  | 60.1 | 60.6  | 60.6 | 61.0 | 61.1 | 61.1 | 61.4 | 61.4  | 61.5  | 61.5  |
| ≥ 16000         | 36.1                       | 55.0 | 56.6 | 58.4 | 59.5 | 59.7  | 60.6 | 61.0  | 61.1 | 61.4 | 61.5 | 61.5 | 61.8 | 61.8  | 61.9  | 62.0  |
| ≥ 14000         | 37.0                       | 56.4 | 58.1 | 59.9 | 61.0 | 61.3  | 62.1 | 62.5  | 62.6 | 63.0 | 63.1 | 63.1 | 63.4 | 63.4  | 63.4  | 63.5  |
| ≥ 12000         | 38.9                       | 59.4 | 61.7 | 63.2 | 64.3 | 64.7  | 65.5 | 66.0  | 66.0 | 66.4 | 66.6 | 66.6 | 66.9 | 66.9  | 66.9  | 67.0  |
| ≥ 10000         | 40.5                       | 63.5 | 65.5 | 67.6 | 68.8 | 69.2  | 70.0 | 70.5  | 70.6 | 71.0 | 71.1 | 71.1 | 71.4 | 71.4  | 71.5  | 71.5  |
| ≥ 9000          | 40.8                       | 64.5 | 66.5 | 68.8 | 70.0 | 70.4  | 71.2 | 71.7  | 71.8 | 72.2 | 72.3 | 72.3 | 72.6 | 72.6  | 72.7  | 72.7  |
| ≥ 8000          | 41.5                       | 66.2 | 68.5 | 70.8 | 72.1 | 72.5  | 73.3 | 73.9  | 73.9 | 74.4 | 74.5 | 74.5 | 74.8 | 74.8  | 74.9  | 74.9  |
| ≥ 7000          | 42.1                       | 67.8 | 70.3 | 72.7 | 74.0 | 74.4  | 75.3 | 75.8  | 75.8 | 76.3 | 76.4 | 76.4 | 76.7 | 76.7  | 76.8  | 76.8  |
| ≥ 6000          | 42.6                       | 69.1 | 71.6 | 74.1 | 75.4 | 75.8  | 76.7 | 77.3  | 77.3 | 77.8 | 77.9 | 77.9 | 78.2 | 78.2  | 78.3  | 78.3  |
| ≥ 5000          | 43.2                       | 70.3 | 72.9 | 75.5 | 76.8 | 77.3  | 78.2 | 78.7  | 78.8 | 79.2 | 79.3 | 79.3 | 79.6 | 79.6  | 79.7  | 79.8  |
| ≥ 4500          | 43.5                       | 71.1 | 73.8 | 76.4 | 77.8 | 78.3  | 79.3 | 79.8  | 79.8 | 80.3 | 80.4 | 80.4 | 80.7 | 80.7  | 80.8  | 80.8  |
| ≥ 4000          | 44.3                       | 72.7 | 75.4 | 78.1 | 79.5 | 80.0  | 81.0 | 81.5  | 81.6 | 82.0 | 82.2 | 82.2 | 82.5 | 82.5  | 82.5  | 82.6  |
| ≥ 3500          | 44.7                       | 73.5 | 76.3 | 79.0 | 80.5 | 81.0  | 82.0 | 82.6  | 82.7 | 83.1 | 83.2 | 83.2 | 83.5 | 83.5  | 83.6  | 83.7  |
| ≥ 3000          | 45.5                       | 75.1 | 78.1 | 80.9 | 82.5 | 83.0  | 84.0 | 84.7  | 84.7 | 85.2 | 85.3 | 85.3 | 85.6 | 85.6  | 85.7  | 85.8  |
| ≥ 2500          | 46.2                       | 76.7 | 79.8 | 82.8 | 84.5 | 85.1  | 86.2 | 86.9  | 86.9 | 87.4 | 87.5 | 87.5 | 87.8 | 87.8  | 87.9  | 88.0  |
| ≥ 2000          | 46.7                       | 79.0 | 81.3 | 84.5 | 86.3 | 86.9  | 88.0 | 88.8  | 88.9 | 89.4 | 89.5 | 89.5 | 89.8 | 89.8  | 89.9  | 90.0  |
| ≥ 1800          | 46.9                       | 78.3 | 81.6 | 84.8 | 86.7 | 87.3  | 88.4 | 89.2  | 89.3 | 89.8 | 89.9 | 89.9 | 90.3 | 90.3  | 90.3  | 90.4  |
| ≥ 1600          | 47.2                       | 79.2 | 82.7 | 86.0 | 88.0 | 88.6  | 89.9 | 90.7  | 90.8 | 91.2 | 91.4 | 91.4 | 91.8 | 91.8  | 91.8  | 91.9  |
| ≥ 1400          | 47.3                       | 79.9 | 83.5 | 87.0 | 89.1 | 89.9  | 91.2 | 92.1  | 92.1 | 92.6 | 92.8 | 92.8 | 93.2 | 93.2  | 93.3  | 93.3  |
| ≥ 1200          | 47.4                       | 80.6 | 84.3 | 88.3 | 90.7 | 91.5  | 92.9 | 93.8  | 93.9 | 94.4 | 94.6 | 94.6 | 95.0 | 95.0  | 95.0  | 95.1  |
| ≥ 1000          | 47.5                       | 81.0 | 84.8 | 88.8 | 91.2 | 92.1  | 93.5 | 94.5  | 94.6 | 95.2 | 95.3 | 95.3 | 95.7 | 95.7  | 95.7  | 95.9  |
| ≥ 900           | 47.5                       | 81.1 | 84.9 | 89.0 | 91.6 | 92.5  | 94.1 | 95.1  | 95.2 | 95.8 | 96.0 | 96.0 | 96.4 | 96.4  | 96.5  | 96.6  |
| ≥ 800           | 47.5                       | 81.2 | 85.1 | 89.1 | 91.8 | 92.8  | 94.5 | 95.5  | 95.7 | 96.3 | 96.5 | 96.5 | 96.9 | 97.0  | 97.1  | 97.1  |
| ≥ 700           | 47.5                       | 81.2 | 85.1 | 89.3 | 92.0 | 93.1  | 94.8 | 96.0  | 96.1 | 96.8 | 97.0 | 97.0 | 97.4 | 97.5  | 97.6  | 97.6  |
| ≥ 600           | 47.5                       | 81.3 | 85.2 | 89.4 | 92.2 | 93.3  | 95.3 | 96.5  | 96.7 | 97.5 | 97.7 | 97.7 | 98.2 | 98.2  | 98.3  | 98.4  |
| ≥ 500           | 47.5                       | 81.3 | 85.2 | 89.4 | 92.2 | 93.3  | 95.5 | 96.8  | 97.1 | 97.9 | 98.1 | 98.1 | 98.6 | 98.7  | 98.8  | 98.9  |
| ≥ 400           | 47.5                       | 81.3 | 85.2 | 89.4 | 92.2 | 93.4  | 95.5 | 96.9  | 97.2 | 98.0 | 98.3 | 98.3 | 98.8 | 98.9  | 99.0  | 99.2  |
| ≥ 300           | 47.5                       | 81.3 | 85.2 | 89.4 | 92.3 | 93.5  | 95.7 | 97.0  | 97.3 | 98.2 | 98.5 | 98.5 | 99.0 | 99.2  | 99.4  | 99.5  |
| ≥ 200           | 47.5                       | 81.3 | 85.2 | 89.4 | 92.3 | 93.5  | 95.7 | 97.1  | 97.3 | 98.3 | 98.6 | 98.6 | 99.2 | 99.3  | 99.6  | 99.9  |
| ≥ 100           | 47.5                       | 81.3 | 85.2 | 89.4 | 92.3 | 93.5  | 95.7 | 97.1  | 97.3 | 98.3 | 98.6 | 98.6 | 99.2 | 99.3  | 99.6  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AID WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

48-57

CGT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1930-1999

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |       |       |       |        |        |        |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥1   | ≥1/2 | ≥1/4 | ≥1/8 | ≥1/16 | ≥1/32 | ≥1/64 | ≥1/128 | ≥1/256 | ≥1/512 |
| ≥20000          | 30.6                       | 54.7 | 57.3 | 60.0 | 61.1 | 61.5 | 62.6 | 62.7 | 62.9 | 64.1 | 64.2  | 64.3  | 64.9  | 65.4   | 66.7   | 66.6   |
| ≥18000          | 31.2                       | 56.1 | 59.7 | 61.4 | 62.5 | 62.9 | 64.0 | 64.1 | 64.2 | 65.4 | 65.6  | 65.7  | 66.3  | 66.2   | 67.4   | 68.2   |
| ≥16000          | 31.2                       | 56.1 | 59.7 | 61.4 | 62.5 | 62.9 | 64.0 | 64.1 | 64.2 | 65.4 | 65.6  | 65.7  | 66.3  | 66.8   | 67.4   | 68.0   |
| ≥14000          | 31.2                       | 56.2 | 59.8 | 61.5 | 62.6 | 63.0 | 64.1 | 64.2 | 64.3 | 65.5 | 65.7  | 65.8  | 66.5  | 66.9   | 67.5   | 68.1   |
| ≥12000          | 31.2                       | 56.3 | 59.9 | 61.6 | 62.7 | 63.1 | 64.2 | 64.3 | 64.4 | 65.6 | 65.8  | 65.9  | 66.6  | 67.0   | 67.6   | 68.2   |
| ≥10000          | 32.2                       | 56.0 | 60.5 | 63.4 | 64.5 | 64.9 | 66.0 | 66.1 | 66.2 | 67.4 | 67.6  | 67.7  | 68.4  | 68.3   | 69.5   | 70.0   |
| ≥8000           | 33.5                       | 60.1 | 62.7 | 65.6 | 66.8 | 67.2 | 68.3 | 68.4 | 68.5 | 69.7 | 69.9  | 70.0  | 70.6  | 71.1   | 71.7   | 72.3   |
| ≥6000           | 33.9                       | 61.3 | 64.0 | 66.9 | 68.1 | 68.5 | 69.7 | 69.8 | 69.9 | 71.1 | 71.3  | 71.4  | 72.0  | 72.5   | 73.1   | 73.7   |
| ≥4000           | 35.3                       | 64.0 | 66.7 | 69.6 | 70.8 | 71.2 | 72.4 | 72.5 | 72.6 | 73.8 | 74.0  | 74.1  | 74.7  | 75.2   | 75.8   | 76.3   |
| ≥2000           | 35.3                       | 65.2 | 67.8 | 70.8 | 71.9 | 72.4 | 73.5 | 73.7 | 73.8 | 74.9 | 75.2  | 75.3  | 75.9  | 76.3   | 77.0   | 77.5   |
| ≥1000           | 35.5                       | 66.3 | 69.5 | 72.4 | 73.7 | 74.1 | 75.5 | 75.8 | 75.9 | 77.2 | 77.4  | 77.5  | 78.2  | 78.6   | 79.2   | 79.8   |
| ≥500            | 36.2                       | 67.7 | 71.0 | 74.0 | 75.3 | 75.7 | 77.1 | 77.4 | 77.5 | 78.8 | 79.0  | 79.1  | 79.8  | 80.2   | 80.9   | 81.4   |
| ≥250            | 36.2                       | 68.0 | 71.2 | 74.3 | 75.6 | 76.0 | 77.4 | 77.7 | 77.8 | 79.1 | 79.4  | 79.5  | 80.1  | 80.5   | 81.2   | 81.7   |
| ≥125            | 36.9                       | 70.8 | 74.1 | 77.2 | 78.5 | 78.9 | 80.3 | 80.6 | 80.8 | 82.0 | 82.3  | 82.4  | 83.0  | 83.4   | 84.1   | 84.6   |
| ≥62.5           | 37.0                       | 71.7 | 75.2 | 78.3 | 79.6 | 80.0 | 81.4 | 81.7 | 81.8 | 83.1 | 83.3  | 83.4  | 84.1  | 84.5   | 85.2   | 85.7   |
| ≥31.2           | 37.1                       | 73.0 | 76.5 | 79.7 | 81.0 | 81.4 | 82.9 | 83.2 | 83.3 | 84.6 | 84.8  | 84.9  | 85.6  | 86.0   | 86.7   | 87.2   |
| ≥15.6           | 37.3                       | 74.3 | 77.7 | 81.1 | 82.4 | 82.8 | 84.4 | 84.7 | 84.8 | 86.1 | 86.3  | 86.5  | 87.1  | 87.5   | 88.2   | 88.7   |
| ≥7.8            | 37.3                       | 76.0 | 79.5 | 82.8 | 84.2 | 84.6 | 86.2 | 86.6 | 86.7 | 88.0 | 88.2  | 88.3  | 88.9  | 89.4   | 90.0   | 90.6   |
| ≥3.9            | 37.3                       | 76.0 | 79.5 | 82.8 | 84.2 | 84.6 | 86.2 | 86.6 | 86.8 | 88.2 | 88.4  | 88.5  | 89.1  | 89.6   | 90.2   | 90.9   |
| ≥1.9            | 37.3                       | 76.2 | 79.8 | 83.1 | 84.7 | 85.2 | 86.8 | 87.5 | 87.6 | 88.9 | 89.1  | 89.2  | 89.9  | 90.3   | 91.0   | 91.6   |
| ≥0.9            | 37.3                       | 76.5 | 80.3 | 84.2 | 85.9 | 86.3 | 88.1 | 88.9 | 89.0 | 90.3 | 90.5  | 90.6  | 91.3  | 91.7   | 92.4   | 93.0   |
| ≥0.4            | 37.3                       | 77.1 | 81.0 | 85.2 | 87.1 | 87.5 | 89.2 | 90.1 | 90.2 | 91.5 | 91.7  | 91.8  | 92.5  | 92.9   | 93.5   | 94.2   |
| ≥0.2            | 37.3                       | 77.4 | 81.3 | 85.8 | 87.7 | 88.2 | 89.9 | 90.8 | 90.9 | 92.2 | 92.4  | 92.6  | 93.2  | 93.7   | 94.3   | 94.9   |
| ≥0.1            | 37.3                       | 77.5 | 81.6 | 86.1 | 88.1 | 88.5 | 90.2 | 91.1 | 91.2 | 92.5 | 92.7  | 92.9  | 93.5  | 94.0   | 94.6   | 95.3   |
| ≥0.05           | 37.3                       | 77.7 | 81.8 | 86.5 | 88.4 | 88.8 | 90.5 | 91.4 | 91.5 | 92.8 | 93.0  | 93.2  | 94.0  | 94.4   | 95.1   | 95.7   |
| ≥0.02           | 37.3                       | 78.0 | 82.0 | 86.7 | 88.7 | 89.1 | 91.0 | 92.3 | 92.4 | 93.7 | 93.9  | 94.1  | 94.8  | 95.3   | 95.9   | 96.6   |
| ≥0.01           | 37.3                       | 78.0 | 82.0 | 86.7 | 88.7 | 89.1 | 91.1 | 92.4 | 92.5 | 93.9 | 94.1  | 94.3  | 95.1  | 95.5   | 96.1   | 96.6   |
| ≥0.005          | 37.3                       | 78.0 | 82.0 | 86.7 | 88.7 | 89.1 | 91.2 | 92.5 | 92.6 | 94.0 | 94.2  | 94.4  | 95.4  | 95.8   | 96.5   | 97.1   |
| ≥0.002          | 37.3                       | 78.0 | 82.0 | 86.7 | 88.7 | 89.1 | 91.2 | 92.5 | 92.6 | 94.1 | 94.3  | 94.5  | 95.5  | 95.9   | 96.6   | 97.2   |
| ≥0.001          | 37.3                       | 78.0 | 82.0 | 86.7 | 88.7 | 89.1 | 91.4 | 92.7 | 92.8 | 94.3 | 94.5  | 94.7  | 96.1  | 96.6   | 97.2   | 98.0   |
| ≥0.0005         | 37.3                       | 78.0 | 82.0 | 86.7 | 88.7 | 89.1 | 91.4 | 92.7 | 92.8 | 94.3 | 94.5  | 94.7  | 96.1  | 96.6   | 97.3   | 98.5   |
| ≥0.0002         | 37.3                       | 78.0 | 82.0 | 86.7 | 88.7 | 89.1 | 91.4 | 92.7 | 92.8 | 94.3 | 94.5  | 94.7  | 96.1  | 96.6   | 97.3   | 99.0   |

TOTAL NUMBER OF OBSERVATIONS 932



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

45-57

017

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1957-1960

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | 210                        | 20   | 15   | 14   | 13   | 12   | 11   | 10   | 9    | 8    | 7    | 6    | 5    | 4    | 3    | 2    |
| 2000            | 24.5                       | 44.3 | 48.3 | 51.5 | 53.5 | 53.9 | 54.7 | 55.5 | 55.9 | 56.7 | 57.1 | 57.4 | 58.1 | 58.7 | 59.1 | 61.0 |
| 1800            | 24.9                       | 46.5 | 50.4 | 53.7 | 55.7 | 56.0 | 56.9 | 57.6 | 57.6 | 58.6 | 59.2 | 59.6 | 60.2 | 60.9 | 61.3 | 63.1 |
| 1600            | 24.7                       | 46.5 | 50.4 | 53.7 | 55.7 | 56.0 | 56.9 | 57.6 | 57.6 | 58.6 | 59.2 | 59.6 | 60.2 | 60.9 | 61.3 | 63.1 |
| 1400            | 25.3                       | 46.9 | 50.9 | 54.2 | 56.2 | 56.6 | 57.4 | 58.2 | 58.2 | 59.4 | 59.8 | 60.1 | 60.8 | 61.4 | 61.8 | 63.7 |
| 1200            | 25.3                       | 47.0 | 51.0 | 54.3 | 56.3 | 56.7 | 57.5 | 58.3 | 58.3 | 59.5 | 59.9 | 60.2 | 60.9 | 61.5 | 61.9 | 63.8 |
| 1000            | 26.1                       | 48.5 | 52.5 | 55.9 | 58.1 | 58.4 | 59.4 | 60.1 | 60.1 | 61.1 | 61.7 | 62.0 | 62.7 | 63.3 | 63.8 | 65.6 |
| 800             | 27.2                       | 51.0 | 55.1 | 58.6 | 60.8 | 61.1 | 62.0 | 62.8 | 62.8 | 64.0 | 64.4 | 64.7 | 65.4 | 66.0 | 66.5 | 68.3 |
| 600             | 27.5                       | 51.6 | 55.8 | 59.5 | 61.6 | 62.2 | 63.1 | 63.9 | 63.9 | 65.1 | 65.5 | 65.8 | 66.5 | 67.1 | 67.5 | 69.5 |
| 400             | 27.5                       | 53.1 | 57.3 | 61.0 | 63.1 | 63.7 | 64.6 | 65.4 | 65.4 | 66.6 | 67.0 | 67.3 | 68.0 | 68.6 | 69.0 | 71.0 |
| 200             | 28.9                       | 55.1 | 59.5 | 63.4 | 65.9 | 66.5 | 67.5 | 68.3 | 68.3 | 69.6 | 70.0 | 70.3 | 71.0 | 71.6 | 72.2 | 74.2 |
| 100             | 29.1                       | 56.3 | 60.9 | 64.8 | 67.3 | 67.8 | 68.9 | 69.9 | 69.9 | 71.3 | 71.7 | 72.0 | 72.7 | 73.3 | 73.9 | 76.1 |
| 50              | 29.2                       | 57.3 | 61.9 | 66.0 | 68.6 | 69.1 | 70.2 | 71.2 | 71.2 | 72.6 | 73.0 | 73.3 | 74.0 | 74.6 | 75.2 | 77.4 |
| 25              | 29.4                       | 57.8 | 62.5 | 66.6 | 69.1 | 69.7 | 71.8 | 71.7 | 71.7 | 73.1 | 73.5 | 73.9 | 74.5 | 75.2 | 75.7 | 78.0 |
| 10              | 30.1                       | 60.8 | 65.8 | 69.9 | 72.6 | 73.2 | 74.3 | 75.3 | 75.3 | 76.7 | 77.1 | 77.4 | 78.1 | 78.7 | 79.2 | 81.5 |
| 5               | 30.1                       | 61.9 | 67.1 | 71.2 | 73.9 | 74.5 | 75.6 | 76.6 | 76.6 | 78.0 | 78.4 | 78.7 | 79.4 | 80.0 | 80.5 | 82.8 |
| 2               | 30.2                       | 62.4 | 68.0 | 72.3 | 75.2 | 75.8 | 77.0 | 78.0 | 78.0 | 79.4 | 79.8 | 80.1 | 80.8 | 81.4 | 81.9 | 84.2 |
| 1               | 30.3                       | 63.9 | 69.4 | 73.8 | 76.7 | 77.4 | 78.9 | 79.8 | 79.8 | 81.2 | 81.6 | 81.9 | 82.6 | 83.2 | 83.8 | 86.0 |
| 0.5             | 30.3                       | 65.7 | 71.4 | 75.9 | 78.9 | 79.6 | 81.2 | 82.2 | 82.2 | 83.5 | 84.0 | 84.3 | 84.9 | 85.6 | 86.1 | 88.4 |
| 0.25            | 30.9                       | 65.8 | 71.8 | 76.3 | 79.4 | 80.2 | 81.6 | 82.6 | 82.6 | 84.0 | 84.4 | 84.7 | 85.4 | 86.0 | 86.6 | 88.8 |
| 0.1             | 31.0                       | 66.1 | 72.4 | 77.2 | 80.2 | 81.1 | 82.6 | 83.5 | 83.5 | 84.9 | 85.4 | 85.7 | 86.3 | 87.0 | 87.5 | 89.8 |
| 0.05            | 31.1                       | 66.6 | 72.9 | 78.0 | 81.2 | 82.0 | 83.7 | 84.6 | 84.6 | 86.0 | 86.5 | 86.8 | 87.4 | 88.1 | 88.6 | 90.9 |
| 0.025           | 31.0                       | 66.9 | 73.3 | 78.6 | 82.0 | 83.0 | 84.5 | 85.5 | 85.5 | 86.9 | 87.3 | 87.6 | 88.3 | 88.9 | 89.5 | 91.7 |
| 0.01            | 31.1                       | 66.9 | 73.4 | 79.1 | 82.7 | 83.8 | 85.3 | 86.2 | 86.2 | 87.6 | 88.1 | 88.4 | 89.0 | 89.7 | 90.2 | 92.5 |
| 0.005           | 31.1                       | 67.3 | 73.9 | 79.8 | 83.3 | 84.4 | 86.0 | 87.0 | 87.0 | 88.5 | 88.9 | 89.2 | 90.0 | 90.6 | 91.3 | 93.5 |
| 0.0025          | 31.0                       | 67.3 | 74.1 | 80.0 | 83.5 | 84.6 | 86.2 | 87.2 | 87.2 | 88.7 | 89.1 | 89.5 | 90.2 | 90.7 | 91.5 | 93.8 |
| 0.001           | 31.0                       | 67.3 | 74.1 | 80.0 | 83.7 | 84.8 | 86.8 | 87.8 | 87.8 | 89.4 | 89.8 | 90.1 | 90.9 | 91.5 | 92.2 | 94.4 |
| 0.0005          | 31.1                       | 67.4 | 74.2 | 80.2 | 84.1 | 85.3 | 87.2 | 88.6 | 88.6 | 90.2 | 90.6 | 91.0 | 91.7 | 92.4 | 93.0 | 95.3 |
| 0.00025         | 31.1                       | 67.5 | 74.4 | 80.4 | 84.4 | 85.6 | 87.5 | 88.9 | 88.9 | 90.6 | 91.1 | 91.4 | 92.2 | 92.8 | 93.4 | 95.7 |
| 0.0001          | 31.0                       | 67.5 | 74.4 | 80.4 | 84.4 | 85.6 | 87.5 | 89.1 | 89.1 | 90.9 | 91.3 | 91.6 | 92.4 | 93.0 | 93.7 | 96.6 |
| 0.00005         | 31.1                       | 67.5 | 74.4 | 80.4 | 84.5 | 85.7 | 87.6 | 89.2 | 89.2 | 91.3 | 91.7 | 92.0 | 92.1 | 93.8 | 94.4 | 97.1 |
| 0.000025        | 31.1                       | 67.5 | 74.4 | 80.4 | 84.5 | 85.7 | 87.6 | 89.2 | 89.2 | 91.4 | 91.8 | 92.2 | 93.2 | 93.9 | 94.6 | 97.7 |
| 0.00001         | 31.0                       | 67.5 | 74.4 | 80.4 | 84.5 | 85.7 | 87.6 | 89.2 | 89.2 | 91.4 | 91.8 | 92.2 | 93.2 | 93.9 | 94.6 | 97.7 |

TOTAL NUMBER OF OBSERVATIONS 970



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

744257 PHILLIPS/ABERDEEN MD

48-57

01

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

010-1100

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   | ≥2   |
| ≥10000          | 35.2                       | 43.4 | 51.5 | 52.0 | 52.9 | 53.1 | 3.2  | 53.4 | 53.4 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| ≥8000           | 37.3                       | 51.2 | 54.3 | 54.9 | 55.9 | 56.1 | 56.6 | 56.8 | 56.9 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| ≥6000           | 37.3                       | 51.3 | 54.4 | 55.1 | 56.0 | 56.2 | 56.7 | 56.9 | 57.0 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| ≥4000           | 37.3                       | 51.3 | 54.4 | 55.1 | 56.0 | 56.2 | 56.7 | 56.9 | 57.0 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| ≥3000           | 38.1                       | 52.0 | 55.2 | 55.8 | 56.9 | 57.0 | 57.4 | 57.6 | 57.7 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| ≥2000           | 39.2                       | 54.3 | 58.2 | 58.9 | 59.9 | 60.4 | 60.9 | 61.1 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| ≥1800           | 40.6                       | 57.4 | 60.8 | 61.7 | 63.0 | 63.7 | 64.2 | 64.4 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| ≥1600           | 41.3                       | 58.6 | 62.0 | 63.1 | 64.4 | 65.1 | 65.6 | 65.8 | 65.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥1400           | 41.3                       | 60.1 | 63.7 | 64.9 | 66.3 | 67.0 | 67.5 | 67.7 | 67.8 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 |
| ≥1200           | 42.3                       | 61.4 | 65.2 | 66.6 | 68.0 | 68.6 | 69.1 | 69.4 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.8 | 69.8 | 69.8 |
| ≥1000           | 43.3                       | 63.0 | 66.8 | 68.3 | 69.7 | 70.3 | 70.9 | 71.1 | 71.2 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 |
| ≥900            | 43.7                       | 64.1 | 68.2 | 69.8 | 71.2 | 71.8 | 72.4 | 72.6 | 72.7 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 | 73.0 |
| ≥800            | 44.4                       | 65.3 | 69.4 | 71.4 | 72.8 | 73.4 | 74.1 | 74.3 | 74.4 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 |
| ≥700            | 45.7                       | 67.3 | 71.7 | 74.2 | 75.6 | 76.2 | 76.9 | 77.1 | 77.2 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 |
| ≥600            | 46.4                       | 68.6 | 73.2 | 75.9 | 77.4 | 78.1 | 78.7 | 79.0 | 79.2 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 |
| ≥500            | 48.5                       | 71.9 | 76.7 | 79.7 | 81.2 | 81.8 | 82.5 | 82.8 | 83.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 |
| ≥450            | 50.2                       | 72.8 | 77.7 | 80.8 | 82.3 | 82.9 | 83.5 | 83.9 | 84.1 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 |
| ≥400            | 50.6                       | 73.7 | 78.7 | 82.3 | 84.0 | 84.6 | 85.4 | 85.7 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 |
| ≥350            | 50.8                       | 73.8 | 78.8 | 82.6 | 84.3 | 84.9 | 85.7 | 86.0 | 86.2 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 |
| ≥300            | 51.1                       | 75.2 | 80.4 | 84.3 | 86.2 | 86.9 | 87.7 | 88.1 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 |
| ≥250            | 51.3                       | 75.8 | 81.1 | 84.9 | 87.2 | 87.8 | 88.7 | 89.1 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 |
| ≥200            | 51.5                       | 76.5 | 81.8 | 86.0 | 88.5 | 89.2 | 90.5 | 91.1 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 |
| ≥150            | 51.5                       | 76.6 | 82.0 | 86.5 | 88.9 | 90.2 | 91.5 | 92.0 | 92.3 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 |
| ≥100            | 51.5                       | 76.7 | 82.5 | 86.9 | 89.6 | 91.0 | 92.5 | 93.1 | 93.3 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 |
| ≥75             | 51.5                       | 77.1 | 83.0 | 87.5 | 90.2 | 91.7 | 93.4 | 94.3 | 94.5 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 |
| ≥50             | 51.5                       | 77.2 | 83.1 | 87.8 | 90.6 | 92.2 | 94.0 | 94.9 | 95.2 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 |
| ≥25             | 51.5                       | 77.3 | 83.4 | 88.2 | 91.0 | 92.7 | 94.8 | 96.0 | 96.2 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.4 | 97.4 |
| ≥15             | 51.5                       | 77.3 | 83.5 | 88.5 | 91.3 | 93.0 | 95.2 | 96.3 | 96.6 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 |
| ≥10             | 51.5                       | 77.3 | 83.5 | 88.5 | 91.4 | 93.1 | 95.3 | 96.5 | 96.7 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 |
| ≥5              | 51.5                       | 77.3 | 83.5 | 88.6 | 91.5 | 93.2 | 95.4 | 96.6 | 96.8 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.9 | 98.9 |
| ≥1              | 51.5                       | 77.3 | 83.5 | 88.6 | 91.5 | 93.2 | 95.4 | 96.6 | 96.8 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.9 | 98.9 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724097 PHILLIPS/ABERDEEN MO

48-57

267

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

12-1-1920

|       |      | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |
|-------|------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
|       |      | 20                         | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   |
| 1000  | FEET | 42.7                       | 50.9 | 51.9 | 52.6 | 53.0 | 53.1 | 53.5 | 53.7 | 53.7 | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  | 53.7  |
| 2000  | FEET | 46.5                       | 56.2 | 57.3 | 58.2 | 58.7 | 58.9 | 59.6 | 59.7 | 59.7 | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  |
| 3000  | FEET | 46.6                       | 56.5 | 57.5 | 58.4 | 58.9 | 59.1 | 59.8 | 59.9 | 59.9 | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  |
| 4000  | FEET | 46.7                       | 56.8 | 57.8 | 58.7 | 59.2 | 59.5 | 60.1 | 60.2 | 60.2 | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  | 60.2  |
| 5000  | FEET | 47.4                       | 58.0 | 59.0 | 59.9 | 60.4 | 60.6 | 61.3 | 61.4 | 61.4 | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  |
| 6000  | FEET | 48.7                       | 60.6 | 61.7 | 62.6 | 63.1 | 63.3 | 64.1 | 64.2 | 64.2 | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  | 64.2  |
| 7000  | FEET | 50.3                       | 63.7 | 64.8 | 65.9 | 66.7 | 66.9 | 67.6 | 67.7 | 67.7 | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  | 67.7  |
| 8000  | FEET | 51.1                       | 64.4 | 65.6 | 66.7 | 67.4 | 67.6 | 68.4 | 68.5 | 68.5 | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  | 68.5  |
| 9000  | FEET | 52.3                       | 66.2 | 67.5 | 68.7 | 69.5 | 69.7 | 70.4 | 70.5 | 70.5 | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  |
| 10000 | FEET | 53.5                       | 68.3 | 69.7 | 71.0 | 71.7 | 71.9 | 72.8 | 72.9 | 72.9 | 72.9  | 72.9  | 72.9  | 72.9  | 72.9  | 72.9  | 72.9  | 72.9  |
| 11000 | FEET | 54.4                       | 70.2 | 71.7 | 73.1 | 73.9 | 74.1 | 74.9 | 75.1 | 75.1 | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  | 75.1  |
| 12000 | FEET | 55.6                       | 71.7 | 73.5 | 75.1 | 75.8 | 76.0 | 76.9 | 77.0 | 77.0 | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  |
| 13000 | FEET | 56.5                       | 73.0 | 74.8 | 76.3 | 77.1 | 77.3 | 78.2 | 78.3 | 78.3 | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  | 78.3  |
| 14000 | FEET | 59.0                       | 76.2 | 78.4 | 80.1 | 80.9 | 81.1 | 81.9 | 82.0 | 82.0 | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  |
| 15000 | FEET | 60.5                       | 78.0 | 80.1 | 81.9 | 82.7 | 83.1 | 84.1 | 84.2 | 84.2 | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  | 84.2  |
| 16000 | FEET | 63.3                       | 81.2 | 83.4 | 85.3 | 86.0 | 86.5 | 87.4 | 87.5 | 87.5 | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  |
| 17000 | FEET | 63.9                       | 82.0 | 84.3 | 86.3 | 87.1 | 87.5 | 88.5 | 88.6 | 88.6 | 88.6  | 88.6  | 88.6  | 88.6  | 88.6  | 88.6  | 88.6  | 88.6  |
| 18000 | FEET | 64.4                       | 83.7 | 85.9 | 88.3 | 89.0 | 89.5 | 90.5 | 90.6 | 90.6 | 90.6  | 90.6  | 90.6  | 90.6  | 90.6  | 90.6  | 90.6  | 90.6  |
| 19000 | FEET | 64.5                       | 84.4 | 86.7 | 89.0 | 89.8 | 90.2 | 91.3 | 91.4 | 91.4 | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  |
| 20000 | FEET | 64.9                       | 85.8 | 88.3 | 91.1 | 92.3 | 92.7 | 93.8 | 93.9 | 93.9 | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  |
| 21000 | FEET | 65.2                       | 86.3 | 89.4 | 92.6 | 94.2 | 94.6 | 95.7 | 95.8 | 95.8 | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  |
| 22000 | FEET | 65.2                       | 86.5 | 89.6 | 92.8 | 94.4 | 94.8 | 95.9 | 96.0 | 96.0 | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  | 96.5  |
| 23000 | FEET | 65.2                       | 86.9 | 90.7 | 93.3 | 95.3 | 95.8 | 97.0 | 97.1 | 97.1 | 97.7  | 97.7  | 97.7  | 97.7  | 97.7  | 97.7  | 97.7  | 97.7  |
| 24000 | FEET | 65.2                       | 87.1 | 90.2 | 93.8 | 95.7 | 96.2 | 97.6 | 97.7 | 97.7 | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| 25000 | FEET | 65.2                       | 87.1 | 90.2 | 93.8 | 95.7 | 96.2 | 97.6 | 97.7 | 97.7 | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  |
| 26000 | FEET | 65.2                       | 87.2 | 90.3 | 94.2 | 96.1 | 96.8 | 98.2 | 98.3 | 98.3 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 27000 | FEET | 65.2                       | 87.2 | 90.3 | 94.2 | 96.1 | 96.8 | 98.2 | 98.4 | 98.4 | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| 28000 | FEET | 65.2                       | 87.2 | 90.3 | 94.2 | 96.1 | 96.8 | 98.2 | 98.6 | 98.6 | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| 29000 | FEET | 65.2                       | 87.2 | 90.5 | 94.4 | 96.5 | 97.4 | 98.8 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 30000 | FEET | 65.2                       | 87.2 | 90.5 | 94.4 | 96.5 | 97.4 | 98.8 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 31000 | FEET | 65.2                       | 87.2 | 90.5 | 94.4 | 96.5 | 97.4 | 98.8 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 32000 | FEET | 65.2                       | 87.2 | 90.5 | 94.4 | 96.5 | 97.4 | 98.8 | 99.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

46-57

CCI

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET |      | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 |      | 2.0                        | 2.5  | 3.0  | 3.5  | 4.0  | 4.5  | 5.0  | 5.5  | 6.0  | 6.5  | 7.0  | 7.5  | 8.0  | 8.5  | 9.0  | 10.0 |
| 1000            | FEET | 42.9                       | 50.6 | 51.0 | 51.6 | 51.9 | 51.9 | 52.2 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| 900             | FEET | 45.7                       | 57.3 | 57.6 | 58.7 | 59.0 | 59.1 | 59.7 | 59.7 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| 800             | FEET | 46.4                       | 57.6 | 58.7 | 59.0 | 59.4 | 59.5 | 60.1 | 60.1 | 60.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| 700             | FEET | 48.5                       | 57.8 | 58.2 | 59.2 | 59.6 | 59.7 | 60.3 | 60.3 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| 600             | FEET | 49.6                       | 59.9 | 59.2 | 60.3 | 60.6 | 60.8 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| 500             | FEET | 51.7                       | 61.2 | 61.5 | 62.8 | 63.1 | 63.2 | 63.9 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| 400             | FEET | 53.4                       | 64.1 | 64.9 | 66.2 | 66.6 | 66.7 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 300             | FEET | 53.7                       | 64.7 | 65.6 | 66.9 | 67.2 | 67.3 | 68.0 | 68.0 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| 200             | FEET | 55.6                       | 68.0 | 68.8 | 70.3 | 70.6 | 70.9 | 71.5 | 71.5 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| 100             | FEET | 56.5                       | 69.1 | 70.0 | 71.6 | 71.9 | 72.2 | 72.8 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 5000            | FEET | 57.5                       | 71.1 | 72.0 | 73.8 | 74.1 | 74.3 | 74.9 | 74.9 | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| 4500            | FEET | 59.1                       | 74.2 | 75.2 | 77.4 | 77.7 | 78.0 | 78.6 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| 4000            | FEET | 59.8                       | 75.4 | 76.3 | 78.6 | 78.9 | 79.1 | 79.8 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| 3500            | FEET | 62.3                       | 78.9 | 80.1 | 82.4 | 82.8 | 83.0 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| 3000            | FEET | 63.1                       | 80.6 | 81.8 | 84.3 | 84.7 | 84.9 | 85.6 | 85.7 | 85.7 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| 2500            | FEET | 64.9                       | 83.8 | 85.1 | 87.5 | 88.0 | 88.2 | 88.8 | 88.9 | 88.9 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 2000            | FEET | 65.6                       | 85.1 | 86.3 | 89.0 | 89.7 | 89.9 | 90.5 | 90.6 | 90.6 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| 1500            | FEET | 66.1                       | 86.3 | 87.8 | 90.8 | 91.5 | 91.7 | 92.4 | 92.5 | 92.5 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 1000            | FEET | 66.5                       | 87.0 | 88.6 | 91.5 | 92.3 | 92.5 | 93.1 | 93.3 | 93.3 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 500             | FEET | 66.7                       | 88.0 | 89.7 | 92.9 | 93.7 | 94.0 | 94.6 | 94.9 | 94.9 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 200             | FEET | 66.7                       | 88.9 | 90.6 | 94.0 | 95.5 | 95.8 | 96.8 | 97.1 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 100             | FEET | 66.7                       | 89.5 | 91.2 | 95.2 | 96.2 | 96.6 | 97.5 | 97.8 | 97.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 5000            | FEET | 66.7                       | 89.5 | 91.2 | 95.4 | 96.6 | 96.9 | 97.8 | 98.2 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 4500            | FEET | 66.8                       | 89.7 | 91.4 | 95.7 | 97.0 | 97.3 | 98.3 | 98.6 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 4000            | FEET | 66.8                       | 89.7 | 91.4 | 95.7 | 97.1 | 97.4 | 98.4 | 98.7 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 3500            | FEET | 66.8                       | 89.7 | 91.4 | 95.7 | 97.1 | 97.4 | 98.4 | 98.8 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 3000            | FEET | 66.8                       | 89.9 | 91.6 | 95.9 | 97.3 | 97.6 | 98.7 | 99.1 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 2500            | FEET | 66.8                       | 90.0 | 91.7 | 96.0 | 97.4 | 97.7 | 98.8 | 99.2 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 2000            | FEET | 66.8                       | 90.0 | 91.7 | 96.0 | 97.4 | 97.7 | 98.8 | 99.2 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1500            | FEET | 66.8                       | 90.0 | 91.7 | 96.0 | 97.4 | 97.7 | 98.8 | 99.2 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1000            | FEET | 66.8                       | 90.0 | 91.7 | 96.0 | 97.4 | 97.7 | 98.8 | 99.2 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

40-57

93

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-2400

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | 210                      | 20   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12   |
| 21000           | 39.9                     | 54.6 | 56.3 | 57.4 | 57.8 | 57.8 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| 20000           | 42.3                     | 54.3 | 60.0 | 61.1 | 61.6 | 61.6 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 18000           | 42.3                     | 58.3 | 60.0 | 61.1 | 61.6 | 61.6 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 16000           | 42.3                     | 58.5 | 60.2 | 61.3 | 61.8 | 61.8 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| 14000           | 44.1                     | 60.3 | 62.0 | 63.1 | 63.7 | 63.7 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| 12000           | 45.8                     | 63.2 | 65.1 | 66.6 | 67.1 | 67.1 | 67.7 | 67.8 | 67.8 | 67.8 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| 10000           | 46.6                     | 66.6 | 68.8 | 70.3 | 70.9 | 70.9 | 71.5 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| 8000            | 47.0                     | 67.5 | 69.8 | 71.3 | 71.8 | 71.8 | 72.5 | 72.6 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 6000            | 48.0                     | 69.8 | 72.0 | 73.5 | 74.1 | 74.1 | 74.7 | 74.8 | 74.8 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 4000            | 48.6                     | 71.2 | 73.4 | 75.3 | 75.9 | 75.9 | 76.7 | 76.8 | 76.8 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| 2000            | 49.8                     | 73.2 | 75.6 | 77.4 | 78.2 | 78.2 | 78.9 | 79.0 | 79.0 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| 1000            | 50.0                     | 75.1 | 77.5 | 79.5 | 80.2 | 80.2 | 81.1 | 81.2 | 81.2 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| 500             | 51.4                     | 76.1 | 78.6 | 80.5 | 81.3 | 81.5 | 82.3 | 82.4 | 82.4 | 82.6 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| 250             | 52.2                     | 78.9 | 81.0 | 83.8 | 84.5 | 84.7 | 85.5 | 85.6 | 85.6 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| 150             | 52.6                     | 80.4 | 83.4 | 85.8 | 86.6 | 86.8 | 87.5 | 87.6 | 87.6 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 100             | 52.6                     | 81.7 | 84.8 | 87.2 | 88.0 | 88.2 | 88.9 | 89.0 | 89.0 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| 75              | 53.1                     | 83.5 | 86.8 | 89.2 | 90.0 | 90.2 | 91.1 | 91.2 | 91.2 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 50              | 53.1                     | 84.9 | 88.5 | 91.1 | 92.2 | 92.4 | 93.3 | 93.4 | 93.4 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| 30              | 53.1                     | 85.2 | 88.7 | 91.3 | 92.4 | 92.7 | 93.7 | 93.8 | 93.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 20              | 53.1                     | 85.6 | 89.1 | 91.7 | 93.1 | 93.7 | 94.6 | 94.7 | 94.7 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 15              | 53.1                     | 86.3 | 90.1 | 92.8 | 94.3 | 94.8 | 96.2 | 96.3 | 96.3 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 10              | 53.1                     | 86.6 | 90.5 | 93.3 | 94.9 | 95.5 | 96.9 | 97.0 | 97.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 7.5             | 53.1                     | 86.6 | 90.5 | 93.4 | 95.1 | 95.6 | 97.0 | 97.1 | 97.1 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 5               | 53.1                     | 86.8 | 90.9 | 93.9 | 95.5 | 96.0 | 97.4 | 97.5 | 97.5 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 3               | 53.1                     | 86.8 | 90.9 | 94.1 | 96.1 | 96.7 | 98.1 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 2               | 53.1                     | 86.9 | 91.0 | 94.2 | 96.7 | 96.8 | 98.3 | 98.5 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 1.5             | 53.1                     | 86.9 | 91.0 | 94.4 | 96.5 | 97.0 | 98.5 | 98.7 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 1               | 53.1                     | 86.9 | 91.0 | 94.4 | 96.5 | 97.0 | 98.5 | 98.7 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 0.5             | 53.1                     | 86.9 | 91.0 | 94.4 | 96.5 | 97.0 | 98.5 | 98.7 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR FATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724257 PHILLIPS/ABERDEEN MD

48-57

ACT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

120-2300

| CEILING<br>FEET | VISIBILITY: STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                       | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| 20000           | 34.9                      | 56.1 | 59.4 | 61.0 | 62.3 | 62.6 | 63.4 | 63.8 | 63.9 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 65.1 |
| 18000           | 34.6                      | 58.3 | 61.7 | 63.3 | 64.6 | 64.9 | 65.8 | 66.1 | 66.2 | 66.8 | 67.0 | 67.0 | 67.0 | 67.0 | 67.3 | 67.4 |
| 16000           | 36.7                      | 58.4 | 61.8 | 63.4 | 64.7 | 65.1 | 65.9 | 66.2 | 66.3 | 66.9 | 67.1 | 67.1 | 67.1 | 67.1 | 67.4 | 67.5 |
| 14000           | 36.8                      | 58.6 | 62.0 | 63.7 | 64.9 | 65.3 | 66.1 | 66.5 | 66.6 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.6 | 67.7 |
| 12000           | 37.7                      | 60.4 | 64.1 | 65.7 | 67.1 | 67.4 | 68.3 | 68.6 | 68.7 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 70.2 | 70.1 |
| 10000           | 39.1                      | 62.6 | 66.2 | 68.0 | 69.5 | 69.8 | 70.6 | 71.0 | 71.1 | 71.8 | 72.0 | 72.0 | 72.0 | 72.0 | 72.4 | 72.5 |
| 8000            | 39.8                      | 63.2 | 66.9 | 68.6 | 70.1 | 70.4 | 71.3 | 71.6 | 71.7 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 | 73.0 | 73.1 |
| 6000            | 40.9                      | 65.4 | 69.3 | 70.8 | 72.3 | 72.6 | 73.4 | 73.8 | 73.9 | 74.6 | 74.8 | 74.8 | 74.9 | 74.9 | 75.4 | 75.6 |
| 4000            | 41.3                      | 67.6 | 71.3 | 73.0 | 74.5 | 74.8 | 75.9 | 76.2 | 76.3 | 77.2 | 77.4 | 77.4 | 77.5 | 77.5 | 78.2 | 78.2 |
| 2000            | 41.5                      | 69.7 | 73.4 | 75.2 | 76.7 | 77.0 | 78.1 | 79.4 | 78.5 | 79.6 | 79.8 | 79.8 | 79.9 | 79.9 | 80.3 | 80.5 |
| 1000            | 41.8                      | 70.8 | 74.5 | 76.6 | 78.1 | 78.4 | 79.6 | 79.9 | 80.0 | 81.1 | 81.3 | 81.3 | 81.4 | 81.4 | 81.8 | 82.0 |
| 500             | 42.3                      | 71.6 | 75.5 | 77.5 | 79.0 | 79.4 | 80.5 | 80.9 | 81.0 | 82.0 | 82.3 | 82.3 | 82.4 | 82.4 | 82.8 | 83.0 |
| 200             | 42.9                      | 74.6 | 78.7 | 81.1 | 82.5 | 82.8 | 84.0 | 84.3 | 84.8 | 85.5 | 85.7 | 85.7 | 85.8 | 85.8 | 86.2 | 86.5 |
| 100             | 43.0                      | 75.2 | 79.4 | 81.6 | 83.1 | 83.4 | 84.6 | 84.9 | 85.1 | 86.1 | 86.3 | 86.3 | 86.5 | 86.5 | 86.9 | 87.1 |
| 50              | 43.5                      | 76.3 | 80.6 | 82.9 | 84.5 | 84.8 | 86.2 | 86.6 | 86.7 | 87.7 | 88.0 | 88.0 | 88.1 | 88.1 | 88.5 | 88.7 |
| 25              | 43.5                      | 77.4 | 81.8 | 84.4 | 86.0 | 86.3 | 87.8 | 88.3 | 88.4 | 89.5 | 89.7 | 89.7 | 89.8 | 89.8 | 90.2 | 90.4 |
| 10              | 43.7                      | 79.4 | 84.1 | 86.9 | 88.7 | 89.0 | 90.6 | 91.1 | 91.2 | 92.3 | 92.5 | 92.5 | 92.6 | 92.6 | 93.0 | 93.2 |
| 5               | 43.7                      | 79.6 | 84.3 | 87.1 | 88.9 | 89.2 | 90.9 | 91.3 | 91.4 | 92.5 | 92.7 | 92.7 | 92.8 | 92.8 | 93.2 | 93.4 |
| 2               | 43.8                      | 80.0 | 84.8 | 87.6 | 89.6 | 89.9 | 91.5 | 91.9 | 92.0 | 93.1 | 93.3 | 93.3 | 93.4 | 93.4 | 93.9 | 94.1 |
| 1               | 43.9                      | 80.9 | 86.3 | 88.9 | 90.9 | 91.2 | 92.9 | 93.3 | 93.4 | 94.5 | 94.7 | 94.7 | 94.8 | 94.8 | 95.3 | 95.5 |
| 0               | 43.9                      | 81.2 | 86.3 | 89.8 | 91.9 | 92.5 | 94.2 | 94.6 | 94.7 | 95.8 | 96.0 | 96.0 | 96.1 | 96.1 | 96.6 | 96.8 |
| 20000           | 43.9                      | 81.3 | 86.5 | 89.9 | 92.2 | 92.7 | 94.4 | 94.8 | 94.9 | 96.0 | 96.2 | 96.2 | 96.3 | 96.3 | 96.8 | 97.0 |
| 18000           | 43.9                      | 81.3 | 86.5 | 90.0 | 92.3 | 92.8 | 94.6 | 95.1 | 95.2 | 96.2 | 96.5 | 96.5 | 96.6 | 96.6 | 97.0 | 97.2 |
| 16000           | 43.9                      | 81.3 | 86.5 | 90.3 | 92.6 | 93.1 | 94.9 | 95.4 | 95.5 | 96.6 | 96.8 | 96.8 | 96.9 | 96.9 | 97.3 | 97.5 |
| 14000           | 43.9                      | 81.3 | 86.5 | 90.3 | 92.9 | 93.4 | 95.4 | 95.8 | 95.9 | 97.0 | 97.2 | 97.2 | 97.3 | 97.3 | 97.7 | 98.0 |
| 12000           | 43.9                      | 81.3 | 86.5 | 90.4 | 93.0 | 93.5 | 95.5 | 95.9 | 96.0 | 97.3 | 97.5 | 97.5 | 97.6 | 97.6 | 98.1 | 98.3 |
| 10000           | 43.9                      | 81.3 | 86.5 | 90.4 | 93.1 | 93.7 | 95.6 | 96.1 | 96.2 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 98.3 | 98.5 |
| 8000            | 43.9                      | 81.3 | 86.5 | 90.4 | 93.1 | 93.7 | 95.6 | 96.1 | 96.2 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 98.4 | 98.6 |
| 6000            | 43.9                      | 81.3 | 86.5 | 90.4 | 93.1 | 93.7 | 95.6 | 96.2 | 96.3 | 97.7 | 98.0 | 98.1 | 98.5 | 98.5 | 98.9 | 99.1 |
| 4000            | 43.9                      | 81.3 | 86.5 | 90.4 | 93.1 | 93.7 | 95.7 | 96.3 | 96.5 | 97.8 | 98.1 | 98.2 | 98.6 | 98.6 | 99.0 | 99.2 |
| 2000            | 43.9                      | 81.3 | 86.5 | 90.4 | 93.1 | 93.7 | 95.7 | 96.5 | 96.6 | 98.0 | 98.2 | 98.3 | 98.8 | 98.8 | 99.2 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 931

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MO

48-57

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |        |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO CEILING      | 34.3                       | 49.8 | 52.3 | 54.0 | 55.0 | 55.4 | 56.1 | 56.3 | 56.4 | 56.9 | 57.0  | 57.1 | 57.4  | 57.5   | 57.7  | 58.2   |
| ≥ 20000         | 36.5                       | 53.0 | 55.5 | 57.4 | 58.4 | 58.8 | 59.6 | 60.0 | 60.2 | 60.6 | 60.7  | 60.8 | 61.0  | 61.2   | 61.5  | 61.9   |
| ≥ 18000         | 36.5                       | 53.1 | 55.6 | 57.5 | 58.5 | 58.9 | 59.8 | 60.1 | 60.2 | 60.7 | 60.8  | 60.9 | 61.2  | 61.3   | 61.6  | 62.1   |
| ≥ 16000         | 36.6                       | 53.3 | 55.8 | 57.7 | 58.7 | 59.1 | 60.0 | 60.3 | 60.4 | 60.9 | 61.1  | 61.1 | 61.4  | 61.5   | 61.8  | 62.3   |
| ≥ 14000         | 37.2                       | 54.0 | 56.5 | 58.4 | 59.4 | 59.9 | 60.7 | 61.0 | 61.1 | 61.6 | 61.8  | 61.9 | 62.1  | 62.3   | 62.5  | 63.0   |
| ≥ 12000         | 38.4                       | 56.1 | 58.7 | 60.8 | 61.8 | 62.3 | 63.2 | 63.5 | 63.6 | 64.2 | 64.3  | 64.4 | 64.7  | 64.8   | 65.1  | 65.6   |
| ≥ 10000         | 39.9                       | 58.9 | 61.6 | 63.7 | 65.0 | 65.4 | 66.3 | 66.7 | 66.8 | 67.3 | 67.5  | 67.6 | 67.8  | 68.0   | 68.2  | 68.7   |
| ≥ 9000          | 40.3                       | 59.7 | 62.5 | 64.7 | 65.9 | 66.5 | 67.4 | 67.7 | 67.8 | 68.4 | 68.5  | 68.6 | 68.9  | 69.0   | 69.3  | 69.8   |
| ≥ 8000          | 41.1                       | 61.8 | 64.6 | 66.9 | 68.1 | 68.7 | 69.6 | 69.9 | 70.0 | 70.7 | 70.8  | 70.9 | 71.2  | 71.3   | 71.6  | 72.1   |
| ≥ 7000          | 42.0                       | 63.4 | 66.3 | 68.7 | 70.1 | 70.6 | 71.6 | 71.9 | 72.0 | 72.7 | 72.9  | 72.9 | 73.2  | 73.4   | 73.7  | 74.2   |
| ≥ 6000          | 42.6                       | 65.1 | 68.2 | 70.6 | 72.0 | 72.5 | 73.6 | 74.0 | 74.1 | 74.8 | 74.9  | 75.0 | 75.3  | 75.5   | 75.8  | 76.3   |
| ≥ 5000          | 43.3                       | 66.7 | 69.8 | 72.5 | 73.9 | 74.4 | 75.5 | 75.9 | 76.0 | 76.7 | 76.9  | 76.9 | 77.2  | 77.4   | 77.7  | 78.2   |
| ≥ 4500          | 43.7                       | 67.5 | 70.7 | 73.4 | 74.8 | 75.4 | 76.5 | 76.9 | 77.0 | 77.7 | 77.8  | 77.9 | 78.2  | 78.4   | 78.7  | 79.2   |
| ≥ 4000          | 45.3                       | 70.3 | 73.8 | 76.6 | 78.1 | 78.6 | 79.7 | 80.2 | 80.3 | 81.0 | 81.2  | 81.3 | 81.5  | 81.7   | 82.0  | 82.6   |
| ≥ 3500          | 45.5                       | 71.5 | 75.1 | 78.1 | 79.5 | 80.1 | 81.3 | 81.7 | 81.8 | 82.6 | 82.8  | 82.8 | 83.1  | 83.3   | 83.6  | 84.1   |
| ≥ 3000          | 46.7                       | 73.5 | 77.2 | 80.2 | 81.7 | 82.4 | 83.5 | 84.0 | 84.1 | 84.9 | 85.1  | 85.1 | 85.4  | 85.6   | 85.9  | 86.4   |
| ≥ 2500          | 47.1                       | 74.6 | 78.4 | 81.6 | 83.2 | 83.8 | 85.1 | 85.6 | 85.7 | 86.4 | 86.6  | 86.7 | 87.0  | 87.1   | 87.4  | 88.0   |
| ≥ 2000          | 47.3                       | 76.0 | 80.0 | 83.4 | 85.1 | 85.8 | 87.1 | 87.6 | 87.8 | 88.5 | 88.7  | 88.8 | 89.0  | 89.2   | 89.5  | 90.1   |
| ≥ 1800          | 47.4                       | 76.3 | 80.3 | 83.7 | 85.5 | 86.2 | 87.5 | 88.1 | 88.2 | 88.9 | 89.1  | 89.2 | 89.5  | 89.6   | 89.9  | 90.5   |
| ≥ 1600          | 47.6                       | 77.1 | 81.2 | 84.8 | 86.7 | 87.4 | 88.8 | 89.4 | 89.5 | 90.3 | 90.4  | 90.5 | 90.8  | 91.0   | 91.3  | 91.8   |
| ≥ 1400          | 47.6                       | 77.6 | 82.7 | 85.8 | 88.0 | 88.7 | 90.2 | 90.8 | 91.0 | 91.7 | 91.9  | 92.0 | 92.3  | 92.4   | 92.7  | 93.3   |
| ≥ 1200          | 47.6                       | 78.0 | 82.5 | 86.5 | 88.8 | 89.6 | 91.2 | 91.9 | 92.0 | 92.8 | 93.0  | 93.1 | 93.4  | 93.5   | 93.8  | 94.4   |
| ≥ 1000          | 47.6                       | 78.2 | 82.6 | 86.9 | 89.3 | 90.1 | 91.7 | 92.4 | 92.5 | 93.4 | 93.6  | 93.7 | 94.0  | 94.2   | 94.4  | 95.0   |
| ≥ 900           | 47.7                       | 78.3 | 82.9 | 87.3 | 89.7 | 90.6 | 92.3 | 93.0 | 93.1 | 94.0 | 94.2  | 94.3 | 94.7  | 94.8   | 95.1  | 95.7   |
| ≥ 800           | 47.7                       | 78.5 | 83.1 | 87.6 | 90.1 | 91.0 | 92.7 | 93.5 | 93.6 | 94.6 | 94.8  | 94.9 | 95.2  | 95.4   | 95.7  | 96.3   |
| ≥ 700           | 47.7                       | 78.5 | 83.1 | 87.7 | 90.3 | 91.3 | 93.1 | 94.1 | 94.2 | 95.2 | 95.4  | 95.5 | 95.9  | 96.0   | 96.3  | 96.9   |
| ≥ 600           | 47.7                       | 78.6 | 83.2 | 87.8 | 90.5 | 91.5 | 93.4 | 94.4 | 94.6 | 95.7 | 95.9  | 96.0 | 96.4  | 96.6   | 96.9  | 97.4   |
| ≥ 500           | 47.7                       | 78.6 | 83.3 | 88.0 | 90.7 | 91.7 | 93.7 | 94.7 | 94.9 | 96.1 | 96.3  | 96.4 | 96.8  | 97.0   | 97.3  | 97.8   |
| ≥ 400           | 47.7                       | 78.7 | 83.3 | 88.0 | 90.7 | 91.8 | 93.8 | 94.8 | 95.0 | 96.2 | 96.4  | 96.5 | 96.9  | 97.0   | 97.5  | 98.2   |
| ≥ 300           | 47.7                       | 78.7 | 83.3 | 88.0 | 90.8 | 91.8 | 93.8 | 94.9 | 95.1 | 96.4 | 96.6  | 96.7 | 97.4  | 97.6   | 97.9  | 98.8   |
| ≥ 200           | 47.7                       | 78.7 | 83.3 | 88.0 | 90.8 | 91.8 | 93.8 | 94.9 | 95.1 | 96.4 | 96.6  | 96.7 | 97.4  | 97.6   | 98.0  | 99.1   |
| ≥ 100           | 47.7                       | 78.7 | 83.3 | 88.0 | 90.8 | 91.8 | 93.8 | 94.9 | 95.1 | 96.4 | 96.6  | 96.8 | 97.4  | 97.6   | 98.0  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS 7440



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MO

48-57

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0000

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |       |      |       |        |       |        |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2.5 | ≥2   | ≥1.5 | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 |
| NO CEILING      | 34.9                     | 53.0 | 54.3 | 55.8 | 56.6 | 56.9 | 57.9 | 59.0 | 59.2 | 59.4 | 59.5  | 59.9 | 60.3  | 60.4   | 60.4  | 60.9   |
| ≥ 20000         | 35.3                     | 54.0 | 55.3 | 56.8 | 57.6 | 57.9 | 58.9 | 60.0 | 60.2 | 60.6 | 61.0  | 61.0 | 61.6  | 61.7   | 61.7  | 62.1   |
| ≥ 18000         | 35.3                     | 54.0 | 55.3 | 56.8 | 57.6 | 57.9 | 58.9 | 60.0 | 60.2 | 60.6 | 61.0  | 61.0 | 61.6  | 61.7   | 61.7  | 62.1   |
| ≥ 16000         | 35.3                     | 54.0 | 55.3 | 56.8 | 57.6 | 57.9 | 58.9 | 60.0 | 60.2 | 60.6 | 61.0  | 61.0 | 61.6  | 61.7   | 61.7  | 62.1   |
| ≥ 14000         | 35.3                     | 54.8 | 56.1 | 57.6 | 58.3 | 58.7 | 59.7 | 60.8 | 61.0 | 61.4 | 61.9  | 61.9 | 62.4  | 62.6   | 62.6  | 63.0   |
| ≥ 12000         | 37.1                     | 56.4 | 58.0 | 59.4 | 60.2 | 60.6 | 61.6 | 62.7 | 62.9 | 63.3 | 63.8  | 63.8 | 64.3  | 64.4   | 64.4  | 64.9   |
| ≥ 10000         | 37.7                     | 58.2 | 60.0 | 61.7 | 62.4 | 62.8 | 63.8 | 64.9 | 65.1 | 65.6 | 66.2  | 66.2 | 66.6  | 66.9   | 66.9  | 67.3   |
| ≥ 9000          | 38.1                     | 58.9 | 60.7 | 62.3 | 63.1 | 63.4 | 64.4 | 65.6 | 65.8 | 66.4 | 66.9  | 66.9 | 67.4  | 67.6   | 67.6  | 68.0   |
| ≥ 8000          | 38.8                     | 61.4 | 63.3 | 65.0 | 65.8 | 66.3 | 67.4 | 68.6 | 68.8 | 69.4 | 70.0  | 70.0 | 70.8  | 70.9   | 70.9  | 71.3   |
| ≥ 7000          | 39.9                     | 63.8 | 65.7 | 67.6 | 68.3 | 68.9 | 70.0 | 71.1 | 71.3 | 72.0 | 72.6  | 72.6 | 73.3  | 73.4   | 73.4  | 73.9   |
| ≥ 6000          | 40.3                     | 65.8 | 67.9 | 69.9 | 71.7 | 71.2 | 72.3 | 73.4 | 73.7 | 74.4 | 75.0  | 75.0 | 75.8  | 75.9   | 75.9  | 76.3   |
| ≥ 5000          | 41.0                     | 66.9 | 69.0 | 71.0 | 71.8 | 72.3 | 73.6 | 74.7 | 74.9 | 75.7 | 76.2  | 76.2 | 77.0  | 77.1   | 77.1  | 77.6   |
| ≥ 4500          | 42.3                     | 68.8 | 71.2 | 73.2 | 74.0 | 74.6 | 75.8 | 76.9 | 77.1 | 77.9 | 78.4  | 78.4 | 79.2  | 79.3   | 79.3  | 79.8   |
| ≥ 4000          | 42.9                     | 69.9 | 72.6 | 74.6 | 75.3 | 75.9 | 77.3 | 78.4 | 78.7 | 79.4 | 80.0  | 80.0 | 80.9  | 81.0   | 81.0  | 81.4   |
| ≥ 3500          | 43.3                     | 71.3 | 74.4 | 76.4 | 77.3 | 77.9 | 79.3 | 80.4 | 80.7 | 81.4 | 82.0  | 82.0 | 82.9  | 83.0   | 83.0  | 83.4   |
| ≥ 3000          | 43.5                     | 72.8 | 76.1 | 78.2 | 79.1 | 79.7 | 81.1 | 82.2 | 82.4 | 83.2 | 83.8  | 83.8 | 84.7  | 84.8   | 84.8  | 85.2   |
| ≥ 2500          | 44.0                     | 73.4 | 76.9 | 79.1 | 81.1 | 80.8 | 82.2 | 83.3 | 83.6 | 84.3 | 84.9  | 84.9 | 85.8  | 85.9   | 85.9  | 86.3   |
| ≥ 2000          | 44.4                     | 74.7 | 78.2 | 80.8 | 81.9 | 82.6 | 84.0 | 85.1 | 85.3 | 86.1 | 86.7  | 86.7 | 87.6  | 87.7   | 87.7  | 88.1   |
| ≥ 1800          | 44.4                     | 74.9 | 78.6 | 81.2 | 82.3 | 83.0 | 84.4 | 85.6 | 85.8 | 86.6 | 87.1  | 87.1 | 88.0  | 88.1   | 88.1  | 88.6   |
| ≥ 1600          | 44.4                     | 75.7 | 79.6 | 82.6 | 84.2 | 84.9 | 86.4 | 87.6 | 87.8 | 88.6 | 89.1  | 89.1 | 90.0  | 90.1   | 90.1  | 90.6   |
| ≥ 1400          | 44.4                     | 76.3 | 80.3 | 83.7 | 85.4 | 86.1 | 87.8 | 88.9 | 89.1 | 90.1 | 90.7  | 90.7 | 91.6  | 91.7   | 91.7  | 92.1   |
| ≥ 1200          | 44.4                     | 76.4 | 80.8 | 84.7 | 86.6 | 87.6 | 89.2 | 90.3 | 90.6 | 91.6 | 92.1  | 92.1 | 93.3  | 93.4   | 93.4  | 93.9   |
| ≥ 1000          | 44.4                     | 76.4 | 80.9 | 85.0 | 86.9 | 88.1 | 89.9 | 91.0 | 91.2 | 92.2 | 92.8  | 92.8 | 94.0  | 94.1   | 94.1  | 94.6   |
| ≥ 900           | 44.4                     | 76.7 | 81.1 | 85.2 | 87.1 | 88.3 | 90.1 | 91.2 | 91.4 | 92.4 | 93.1  | 93.1 | 94.4  | 94.6   | 94.6  | 95.0   |
| ≥ 800           | 44.4                     | 76.8 | 81.2 | 85.3 | 87.4 | 88.9 | 90.7 | 91.8 | 92.0 | 93.0 | 93.7  | 93.7 | 95.0  | 95.1   | 95.1  | 95.6   |
| ≥ 700           | 44.4                     | 76.8 | 81.2 | 85.7 | 87.8 | 89.4 | 91.6 | 92.8 | 93.0 | 94.0 | 94.7  | 94.7 | 96.2  | 96.3   | 96.3  | 96.8   |
| ≥ 600           | 44.4                     | 76.8 | 81.3 | 85.8 | 88.0 | 89.8 | 91.9 | 93.1 | 93.3 | 94.3 | 95.0  | 95.0 | 96.6  | 96.7   | 96.7  | 97.1   |
| ≥ 500           | 44.4                     | 76.8 | 81.3 | 85.8 | 88.0 | 89.8 | 91.9 | 93.2 | 93.4 | 94.4 | 95.1  | 95.1 | 96.7  | 96.8   | 96.8  | 97.2   |
| ≥ 400           | 44.4                     | 76.8 | 81.3 | 85.8 | 88.1 | 89.9 | 92.3 | 93.7 | 93.9 | 94.9 | 95.6  | 95.6 | 97.1  | 97.3   | 97.6  | 98.0   |
| ≥ 300           | 44.4                     | 76.8 | 81.3 | 85.8 | 88.1 | 89.9 | 92.3 | 93.7 | 93.9 | 94.9 | 95.6  | 95.7 | 97.7  | 97.9   | 98.1  | 98.6   |
| ≥ 200           | 44.4                     | 76.8 | 81.3 | 85.8 | 88.1 | 89.9 | 92.3 | 93.7 | 93.9 | 94.9 | 95.6  | 95.7 | 97.8  | 98.0   | 98.2  | 98.9   |
| ≥ 100           | 44.4                     | 76.8 | 81.3 | 85.8 | 88.1 | 89.9 | 92.3 | 93.7 | 93.9 | 94.9 | 95.6  | 95.7 | 97.8  | 98.0   | 98.3  | 100.0  |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724-57 PHILLIPS/ABERDEEN MD

48-57

NOV

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

300-0500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥ 10                     | ≥ 6  | ≥ 5  | ≥ 4  | ≥ 3  | ≥ 2  | ≥ 2  | ≥ 2  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  | ≥ 1  |
| 20000           | 27.6                     | 47.3 | 49.2 | 51.6 | 51.7 | 52.7 | 53.4 | 54.4 | 54.4 | 55.3 | 55.6 | 55.6 | 56.4 | 56.4 | 56.8 | 57.7 |
| 18000           | 28.1                     | 48.1 | 50.3 | 52.1 | 52.8 | 53.8 | 54.6 | 55.6 | 55.6 | 56.4 | 56.7 | 56.7 | 57.8 | 57.8 | 58.2 | 59.1 |
| 16000           | 28.1                     | 48.1 | 50.3 | 52.1 | 52.8 | 53.8 | 54.6 | 55.6 | 55.6 | 56.4 | 56.7 | 56.7 | 57.8 | 57.8 | 58.2 | 59.1 |
| 14000           | 28.3                     | 49.1 | 51.3 | 53.1 | 53.8 | 54.8 | 55.6 | 56.6 | 56.6 | 57.4 | 57.7 | 57.7 | 58.8 | 58.8 | 59.2 | 60.1 |
| 12000           | 29.2                     | 51.0 | 53.2 | 55.0 | 55.7 | 56.7 | 57.4 | 58.4 | 58.4 | 59.3 | 59.6 | 59.6 | 60.7 | 60.7 | 61.1 | 62.0 |
| 10000           | 29.9                     | 53.1 | 55.3 | 57.1 | 57.8 | 58.8 | 59.6 | 60.6 | 60.6 | 61.6 | 61.6 | 61.6 | 62.9 | 62.9 | 63.3 | 64.2 |
| 8000            | 30.1                     | 53.4 | 55.7 | 57.4 | 58.1 | 59.1 | 59.9 | 60.9 | 60.9 | 61.9 | 62.1 | 62.1 | 63.2 | 63.2 | 63.7 | 64.6 |
| 6000            | 31.4                     | 57.2 | 59.7 | 61.6 | 62.3 | 63.3 | 64.1 | 65.1 | 65.1 | 66.1 | 66.3 | 66.3 | 67.4 | 67.4 | 67.9 | 68.8 |
| 4000            | 32.8                     | 59.3 | 61.9 | 63.8 | 64.7 | 65.7 | 66.4 | 67.6 | 67.6 | 68.7 | 69.0 | 69.0 | 70.1 | 70.1 | 70.6 | 71.4 |
| 2000            | 34.4                     | 62.7 | 65.2 | 67.1 | 68.0 | 69.1 | 70.0 | 71.1 | 71.1 | 72.3 | 72.7 | 72.7 | 73.8 | 73.8 | 74.2 | 75.1 |
| 1000            | 35.3                     | 64.1 | 66.7 | 68.6 | 69.6 | 70.9 | 71.8 | 72.9 | 72.9 | 74.1 | 74.4 | 74.4 | 75.6 | 75.6 | 76.0 | 76.9 |
| 500             | 35.3                     | 64.7 | 67.4 | 69.3 | 70.3 | 71.7 | 72.6 | 73.7 | 73.7 | 74.9 | 75.2 | 75.2 | 76.3 | 76.3 | 76.8 | 77.7 |
| 200             | 36.7                     | 66.8 | 69.6 | 71.4 | 72.4 | 73.8 | 75.0 | 76.1 | 76.1 | 77.4 | 77.8 | 77.8 | 79.0 | 79.0 | 79.4 | 80.3 |
| 100             | 37.1                     | 67.8 | 70.7 | 72.8 | 73.9 | 75.2 | 76.4 | 77.6 | 77.6 | 78.9 | 79.2 | 79.2 | 80.4 | 80.4 | 80.9 | 81.8 |
| 50              | 37.3                     | 69.6 | 73.1 | 75.3 | 76.8 | 78.1 | 79.6 | 80.7 | 80.7 | 82.0 | 82.3 | 82.3 | 83.6 | 83.6 | 84.0 | 84.9 |
| 25              | 37.3                     | 70.4 | 74.2 | 76.6 | 78.1 | 79.4 | 81.0 | 82.1 | 82.1 | 83.4 | 83.8 | 83.8 | 85.0 | 85.0 | 85.4 | 86.3 |
| 15              | 37.7                     | 70.9 | 74.9 | 77.2 | 78.8 | 80.1 | 81.8 | 82.9 | 82.9 | 84.2 | 84.6 | 84.6 | 85.8 | 85.8 | 86.2 | 87.1 |
| 10              | 37.7                     | 71.6 | 75.6 | 77.9 | 79.4 | 80.8 | 82.6 | 83.7 | 83.7 | 85.0 | 85.3 | 85.3 | 86.6 | 86.6 | 87.0 | 87.9 |
| 5               | 37.7                     | 72.1 | 76.1 | 78.8 | 80.6 | 81.9 | 83.7 | 84.8 | 84.8 | 86.1 | 86.4 | 86.4 | 87.7 | 87.7 | 88.1 | 89.0 |
| 2               | 37.7                     | 72.4 | 76.4 | 79.2 | 81.0 | 82.3 | 84.2 | 85.3 | 85.3 | 86.7 | 87.0 | 87.0 | 88.2 | 88.2 | 88.7 | 89.6 |
| 1               | 37.7                     | 72.6 | 76.7 | 80.1 | 82.0 | 83.7 | 85.7 | 86.8 | 86.8 | 88.1 | 88.4 | 88.4 | 89.9 | 89.9 | 90.3 | 91.2 |
| 0.5             | 37.7                     | 72.6 | 77.0 | 80.6 | 82.4 | 84.1 | 86.1 | 87.2 | 87.2 | 88.6 | 89.1 | 89.1 | 90.6 | 90.6 | 91.0 | 91.9 |
| 0.25            | 37.7                     | 72.9 | 77.2 | 80.8 | 82.8 | 84.4 | 86.6 | 87.7 | 87.7 | 89.0 | 89.7 | 89.7 | 91.1 | 91.1 | 91.6 | 92.4 |
| 0.1             | 37.7                     | 73.0 | 77.4 | 81.1 | 83.1 | 84.8 | 86.9 | 88.1 | 88.1 | 89.4 | 90.2 | 90.2 | 91.8 | 91.8 | 92.2 | 93.1 |
| 0.05            | 37.7                     | 73.3 | 77.9 | 81.7 | 83.8 | 85.6 | 88.2 | 89.4 | 89.4 | 90.8 | 91.6 | 91.6 | 93.2 | 93.2 | 93.7 | 94.6 |
| 0.025           | 37.7                     | 73.3 | 78.0 | 81.9 | 84.1 | 86.0 | 89.0 | 90.2 | 90.2 | 91.6 | 92.3 | 92.3 | 94.0 | 94.0 | 94.4 | 95.4 |
| 0.01            | 37.7                     | 73.6 | 78.2 | 82.1 | 84.3 | 86.2 | 89.3 | 90.6 | 90.6 | 91.9 | 92.7 | 92.7 | 94.3 | 94.3 | 94.8 | 95.8 |
| 0.005           | 37.7                     | 73.6 | 78.2 | 82.1 | 84.3 | 86.2 | 89.6 | 90.8 | 90.8 | 92.1 | 93.1 | 93.1 | 95.2 | 95.2 | 95.7 | 96.7 |
| 0.0025          | 37.7                     | 73.6 | 78.2 | 82.1 | 84.3 | 86.2 | 89.6 | 90.9 | 90.9 | 92.2 | 93.2 | 93.2 | 95.3 | 95.3 | 95.8 | 96.8 |
| 0.001           | 37.7                     | 73.6 | 78.2 | 82.1 | 84.3 | 86.4 | 89.8 | 91.1 | 91.1 | 92.4 | 93.6 | 93.6 | 95.7 | 95.7 | 96.2 | 97.2 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

72457 PHILLIPS/ABERDEEN MD

46-57

900

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-2400

|      |      | VISIBILITY STATE MILES |      |      |      |      |      |      |      |       |      |       |        |       |        |         |        |         |
|------|------|------------------------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|--------|---------|--------|---------|
|      |      | ≥10                    | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥1   | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0.005 | ≥0.0025 | ≥0.001 | ≥0.0005 |
| 1000 | FEET | 25.8                   | 39.1 | 42.2 | 45.2 | 46.7 | 47.7 | 49.8 | 50.4 | 50.4  | 51.2 | 51.6  | 51.6   | 52.2  | 52.2   | 52.4    | 53.0   |         |
| 900  | FEET | 27.7                   | 42.3 | 45.8 | 48.8 | 50.4 | 51.7 | 53.9 | 54.6 | 54.6  | 55.6 | 55.9  | 55.9   | 56.7  | 56.7   | 57.0    | 57.6   |         |
| 800  | FEET | 27.1                   | 42.4 | 45.9 | 48.9 | 50.6 | 51.8 | 54.1 | 54.8 | 54.8  | 55.8 | 56.1  | 56.1   | 56.9  | 56.9   | 57.2    | 57.8   |         |
| 700  | FEET | 27.1                   | 42.6 | 46.0 | 49.0 | 50.7 | 51.9 | 54.2 | 55.1 | 55.0  | 56.0 | 56.3  | 56.3   | 57.1  | 57.1   | 57.4    | 58.0   |         |
| 600  | FEET | 27.7                   | 43.6 | 47.2 | 50.2 | 51.9 | 53.1 | 55.4 | 56.2 | 56.2  | 57.2 | 57.6  | 57.6   | 58.3  | 58.3   | 58.8    | 59.3   |         |
| 500  | FEET | 29.1                   | 46.1 | 49.9 | 53.4 | 54.7 | 55.9 | 58.4 | 59.3 | 59.3  | 60.3 | 60.8  | 60.8   | 61.9  | 61.8   | 62.2    | 62.9   |         |
| 400  | FEET | 30.2                   | 48.6 | 52.4 | 55.7 | 57.3 | 58.6 | 61.4 | 62.3 | 62.3  | 63.4 | 63.9  | 63.9   | 65.0  | 65.0   | 65.4    | 66.1   |         |
| 300  | FEET | 30.3                   | 48.7 | 52.9 | 56.4 | 58.2 | 59.4 | 62.1 | 63.2 | 63.2  | 64.3 | 64.8  | 64.8   | 65.9  | 65.9   | 66.3    | 67.0   |         |
| 200  | FEET | 30.9                   | 50.0 | 54.2 | 57.8 | 59.8 | 61.1 | 64.1 | 65.0 | 65.0  | 66.1 | 66.6  | 66.6   | 67.7  | 67.7   | 68.1    | 68.8   |         |
| 100  | FEET | 32.2                   | 51.9 | 56.4 | 60.1 | 62.2 | 63.6 | 66.6 | 67.4 | 67.4  | 68.7 | 69.2  | 69.2   | 70.3  | 70.3   | 70.9    | 71.6   |         |
| 0    | FEET | 34.2                   | 55.0 | 59.6 | 63.8 | 66.0 | 67.3 | 70.4 | 71.3 | 71.3  | 72.6 | 73.1  | 73.1   | 74.2  | 74.2   | 74.9    | 75.4   |         |
| 0    | FEET | 35.2                   | 56.3 | 61.7 | 65.4 | 67.8 | 69.1 | 72.2 | 73.1 | 73.1  | 74.4 | 75.0  | 75.0   | 76.1  | 76.1   | 76.7    | 77.3   |         |
| 0    | FEET | 35.7                   | 57.6 | 62.2 | 66.8 | 69.1 | 70.4 | 73.6 | 74.4 | 74.4  | 75.8 | 76.3  | 76.3   | 77.4  | 77.4   | 78.0    | 78.7   |         |
| 0    | FEET | 36.1                   | 59.4 | 64.2 | 68.9 | 71.3 | 72.7 | 75.8 | 76.7 | 76.7  | 78.0 | 78.6  | 78.6   | 79.7  | 79.7   | 80.2    | 80.9   |         |
| 0    | FEET | 36.1                   | 59.6 | 64.4 | 69.2 | 71.7 | 73.0 | 76.1 | 77.0 | 77.0  | 78.3 | 79.0  | 79.0   | 80.2  | 80.2   | 80.8    | 81.6   |         |
| 0    | FEET | 36.4                   | 61.6 | 65.8 | 70.9 | 73.4 | 74.6 | 78.0 | 78.9 | 78.9  | 80.2 | 80.9  | 80.9   | 82.1  | 82.1   | 82.7    | 83.4   |         |
| 0    | FEET | 36.3                   | 61.4 | 66.9 | 72.1 | 74.8 | 76.2 | 79.6 | 80.6 | 80.6  | 81.9 | 82.6  | 82.6   | 83.8  | 83.8   | 84.3    | 85.1   |         |
| 0    | FEET | 36.8                   | 62.4 | 68.1 | 73.6 | 76.2 | 77.7 | 81.0 | 82.0 | 82.0  | 83.4 | 84.1  | 84.1   | 85.3  | 85.3   | 85.9    | 86.7   |         |
| 0    | FEET | 36.3                   | 62.4 | 68.1 | 73.6 | 76.2 | 77.7 | 81.0 | 82.0 | 82.0  | 83.4 | 84.1  | 84.1   | 85.3  | 85.3   | 85.9    | 86.7   |         |
| 0    | FEET | 36.9                   | 62.7 | 68.3 | 73.8 | 76.7 | 78.1 | 81.7 | 82.8 | 82.8  | 84.3 | 85.0  | 85.0   | 86.2  | 86.2   | 86.8    | 87.6   |         |
| 0    | FEET | 36.9                   | 63.2 | 69.7 | 74.8 | 77.7 | 79.2 | 82.8 | 83.9 | 83.9  | 85.7 | 86.4  | 86.4   | 87.7  | 87.7   | 88.2    | 89.0   |         |
| 0    | FEET | 36.8                   | 64.1 | 70.1 | 76.2 | 79.6 | 81.2 | 85.0 | 86.1 | 86.1  | 88.0 | 88.8  | 88.8   | 90.1  | 90.2   | 90.8    | 91.7   |         |
| 0    | FEET | 36.9                   | 64.6 | 70.7 | 77.1 | 80.6 | 82.3 | 86.2 | 87.3 | 87.3  | 89.4 | 90.2  | 90.2   | 91.6  | 91.7   | 92.2    | 93.1   |         |
| 0    | FEET | 36.8                   | 64.7 | 70.9 | 77.4 | 80.9 | 82.7 | 86.6 | 87.7 | 87.7  | 89.8 | 90.7  | 90.7   | 92.0  | 92.1   | 92.8    | 93.7   |         |
| 0    | FEET | 36.9                   | 64.7 | 71.0 | 77.6 | 81.2 | 83.0 | 86.9 | 88.0 | 88.0  | 90.2 | 91.1  | 91.1   | 92.4  | 92.6   | 93.2    | 94.1   |         |
| 0    | FEET | 36.9                   | 64.7 | 71.0 | 77.6 | 81.3 | 83.1 | 87.0 | 88.1 | 88.1  | 90.3 | 91.2  | 91.2   | 92.6  | 92.7   | 93.3    | 94.1   |         |
| 0    | FEET | 36.8                   | 64.7 | 71.0 | 77.7 | 81.6 | 83.3 | 87.2 | 88.3 | 88.3  | 90.7 | 91.8  | 91.8   | 93.7  | 93.8   | 94.6    | 95.6   |         |
| 0    | FEET | 36.9                   | 64.7 | 71.0 | 77.7 | 81.7 | 83.4 | 87.3 | 88.4 | 88.4  | 90.8 | 92.0  | 92.0   | 94.3  | 94.4   | 95.6    | 96.6   |         |
| 0    | FEET | 36.9                   | 64.7 | 71.0 | 77.7 | 81.7 | 83.4 | 87.4 | 88.6 | 88.6  | 91.1 | 92.3  | 92.4   | 95.2  | 95.3   | 96.7    | 98.8   |         |
| 0    | FEET | 36.9                   | 64.7 | 71.0 | 77.8 | 81.8 | 83.6 | 87.6 | 88.7 | 88.7  | 91.2 | 92.6  | 92.7   | 95.4  | 95.6   | 97.0    | 98.8   |         |
| 0    | FEET | 36.9                   | 64.7 | 71.0 | 77.8 | 81.8 | 83.8 | 87.8 | 88.9 | 88.9  | 91.4 | 92.8  | 92.9   | 95.7  | 95.8   | 97.2    | 100.0  |         |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
A15 WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724-57

PHILLIPS/ASERDEEN MD

46-57

1947

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1947-1120

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | 20                         | 26   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12    |
| 1000            | 51.4                       | 40.3 | 42.1 | 43.1 | 44.1 | 44.8 | 45.8 | 46.3 | 46.3 | 46.4 | 46.5 | 46.8 | 46.3 | 46.9 | 46.9 | 47.0  |
| 900             | 35.3                       | 47.3 | 40.6 | 50.8 | 51.8 | 52.6 | 53.6 | 54.3 | 54.3 | 54.4 | 54.8 | 54.8 | 54.8 | 54.8 | 54.9 | 55.1  |
| 800             | 36.3                       | 48.3 | 50.6 | 51.8 | 52.8 | 53.6 | 54.7 | 55.4 | 55.4 | 55.6 | 55.9 | 55.9 | 55.9 | 55.9 | 56.0 | 56.1  |
| 700             | 37.2                       | 49.4 | 51.8 | 53.0 | 54.0 | 54.8 | 55.9 | 56.7 | 56.7 | 56.8 | 57.1 | 57.1 | 57.1 | 57.1 | 57.2 | 57.3  |
| 600             | 39.0                       | 51.8 | 54.1 | 55.4 | 56.7 | 57.7 | 59.0 | 59.8 | 59.8 | 59.9 | 60.2 | 60.2 | 60.3 | 60.3 | 60.4 | 60.6  |
| 500             | 41.2                       | 56.1 | 58.9 | 60.2 | 61.4 | 62.4 | 63.8 | 64.6 | 64.6 | 64.7 | 65.0 | 65.0 | 65.1 | 65.1 | 65.2 | 65.3  |
| 400             | 41.4                       | 56.8 | 59.7 | 61.0 | 62.2 | 63.2 | 64.6 | 65.3 | 65.3 | 65.4 | 65.8 | 65.8 | 65.9 | 65.9 | 66.0 | 66.1  |
| 300             | 42.3                       | 59.0 | 62.0 | 63.6 | 65.0 | 66.0 | 67.4 | 68.2 | 68.7 | 68.4 | 68.9 | 68.9 | 69.0 | 69.0 | 69.1 | 69.2  |
| 200             | 43.6                       | 60.9 | 64.0 | 65.7 | 67.1 | 68.1 | 69.6 | 71.3 | 72.4 | 72.7 | 71.2 | 71.2 | 71.3 | 71.3 | 71.6 | 71.7  |
| 100             | 44.4                       | 62.3 | 65.4 | 67.1 | 68.7 | 69.7 | 71.1 | 71.9 | 72.0 | 72.2 | 72.8 | 72.8 | 72.9 | 72.9 | 73.1 | 73.2  |
| 0               | 44.8                       | 63.3 | 66.8 | 68.6 | 70.1 | 71.1 | 72.6 | 73.3 | 73.4 | 73.7 | 74.2 | 74.2 | 74.3 | 74.3 | 74.6 | 74.7  |
| 1000            | 45.3                       | 64.2 | 67.7 | 69.4 | 71.0 | 72.0 | 73.4 | 74.2 | 74.7 | 74.6 | 75.1 | 75.1 | 75.2 | 75.2 | 75.4 | 75.6  |
| 900             | 46.7                       | 66.3 | 70.1 | 71.9 | 73.6 | 74.8 | 76.3 | 77.1 | 77.2 | 77.4 | 78.0 | 78.0 | 78.1 | 78.1 | 78.3 | 78.4  |
| 800             | 47.1                       | 67.2 | 71.1 | 72.9 | 74.6 | 75.8 | 77.4 | 78.3 | 78.4 | 78.8 | 79.3 | 79.3 | 79.7 | 79.7 | 79.9 | 80.0  |
| 700             | 47.8                       | 69.6 | 73.7 | 75.7 | 77.4 | 78.7 | 80.3 | 81.2 | 81.3 | 81.7 | 82.3 | 82.3 | 82.7 | 82.7 | 82.9 | 83.0  |
| 600             | 48.4                       | 71.0 | 75.4 | 77.6 | 79.4 | 80.7 | 82.4 | 83.4 | 83.6 | 83.9 | 84.6 | 84.6 | 84.9 | 84.9 | 85.1 | 85.2  |
| 500             | 48.9                       | 72.2 | 76.7 | 78.9 | 80.8 | 82.1 | 84.1 | 85.1 | 85.2 | 85.6 | 86.2 | 86.2 | 86.6 | 86.6 | 86.8 | 86.9  |
| 400             | 49.2                       | 73.1 | 77.9 | 80.0 | 81.9 | 83.3 | 85.3 | 86.6 | 86.8 | 87.1 | 87.5 | 87.8 | 88.2 | 88.2 | 88.4 | 88.6  |
| 300             | 49.3                       | 74.3 | 79.1 | 81.9 | 83.9 | 85.3 | 87.3 | 88.6 | 88.8 | 89.1 | 89.8 | 89.8 | 90.2 | 90.2 | 90.4 | 90.6  |
| 200             | 49.3                       | 75.1 | 80.3 | 83.3 | 85.6 | 87.0 | 89.1 | 90.4 | 90.7 | 91.0 | 91.7 | 91.7 | 92.1 | 92.1 | 92.3 | 92.4  |
| 100             | 49.3                       | 75.2 | 80.6 | 83.7 | 85.9 | 87.3 | 89.6 | 90.9 | 91.1 | 91.4 | 92.1 | 92.1 | 92.6 | 92.6 | 92.9 | 92.9  |
| 0               | 49.3                       | 75.4 | 80.8 | 83.9 | 86.1 | 87.6 | 89.9 | 91.3 | 91.6 | 92.0 | 92.7 | 92.7 | 93.1 | 93.1 | 93.3 | 93.4  |
| 1000            | 49.3                       | 75.8 | 81.1 | 84.2 | 87.0 | 88.7 | 91.0 | 92.6 | 92.8 | 93.2 | 93.9 | 93.9 | 94.3 | 94.3 | 94.7 | 94.8  |
| 900             | 49.3                       | 76.0 | 81.3 | 84.7 | 87.4 | 89.3 | 91.8 | 93.3 | 93.6 | 94.1 | 94.8 | 94.8 | 95.2 | 95.3 | 95.7 | 95.8  |
| 800             | 49.3                       | 76.0 | 81.6 | 84.9 | 87.8 | 89.7 | 92.1 | 93.7 | 93.9 | 94.6 | 95.3 | 95.3 | 95.9 | 96.0 | 96.3 | 96.4  |
| 700             | 49.3                       | 76.0 | 81.6 | 84.9 | 88.0 | 89.9 | 92.4 | 94.1 | 94.3 | 95.0 | 96.1 | 96.1 | 96.8 | 96.9 | 97.4 | 97.6  |
| 600             | 49.3                       | 76.0 | 81.6 | 84.9 | 88.0 | 89.9 | 92.6 | 94.2 | 94.4 | 95.3 | 96.8 | 96.8 | 97.9 | 98.1 | 99.1 | 99.6  |
| 500             | 49.3                       | 76.0 | 81.6 | 84.9 | 88.0 | 89.9 | 92.6 | 94.2 | 94.4 | 95.3 | 96.8 | 96.8 | 97.9 | 98.1 | 99.1 | 99.9  |
| 400             | 49.3                       | 76.0 | 81.6 | 84.9 | 88.0 | 89.9 | 92.6 | 94.2 | 94.4 | 95.3 | 96.8 | 96.8 | 97.9 | 98.1 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN, MD

48-57

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

10-1-1400

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | 210                        | 20   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12    |
| 25000           | 33.3                       | 35.7 | 39.6 | 39.9 | 40.7 | 41.6 | 41.8 | 42.1 | 42.1 | 42.3 | 42.7 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3  |
| 20000           | 39.2                       | 46.1 | 47.1 | 47.4 | 48.2 | 49.1 | 49.3 | 49.7 | 49.7 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9  |
| 15000           | 40.0                       | 47.0 | 48.0 | 48.3 | 49.1 | 50.0 | 50.2 | 50.6 | 50.6 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8  |
| 10000           | 40.0                       | 47.1 | 48.0 | 48.3 | 49.1 | 50.0 | 50.2 | 50.6 | 50.6 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8  |
| 7500            | 41.9                       | 49.2 | 50.4 | 51.0 | 51.8 | 52.7 | 52.9 | 53.3 | 53.3 | 53.6 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9  |
| 5000            | 44.1                       | 52.8 | 54.1 | 54.7 | 55.6 | 56.4 | 56.7 | 57.1 | 57.1 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6  |
| 2500            | 46.3                       | 57.0 | 58.3 | 58.9 | 59.8 | 60.7 | 60.9 | 61.4 | 61.4 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9  |
| 1000            | 46.9                       | 58.3 | 59.8 | 60.3 | 61.2 | 62.1 | 62.3 | 62.9 | 62.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3  |
| 500             | 47.1                       | 62.2 | 63.7 | 64.2 | 65.1 | 66.0 | 66.2 | 66.9 | 66.9 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  |
| 250             | 49.8                       | 63.3 | 64.5 | 65.4 | 66.4 | 67.3 | 67.6 | 68.2 | 68.2 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0  |
| 100             | 50.9                       | 64.6 | 66.0 | 66.7 | 67.7 | 68.7 | 68.9 | 69.6 | 69.6 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4  |
| 50              | 51.7                       | 65.6 | 67.1 | 67.7 | 68.7 | 69.8 | 70.0 | 70.7 | 70.7 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7  |
| 25              | 52.6                       | 66.8 | 68.2 | 68.9 | 70.1 | 71.3 | 71.6 | 72.2 | 72.2 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2  |
| 10              | 55.4                       | 69.9 | 71.3 | 72.1 | 73.2 | 74.6 | 74.8 | 75.4 | 75.4 | 76.3 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6  |
| 5               | 57.8                       | 73.4 | 74.9 | 75.6 | 76.8 | 78.1 | 78.7 | 79.6 | 79.6 | 80.4 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7  |
| 2               | 59.3                       | 76.0 | 77.6 | 78.4 | 79.7 | 81.0 | 81.7 | 82.6 | 82.6 | 83.4 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7  |
| 1               | 60.3                       | 78.2 | 79.8 | 80.7 | 82.0 | 83.3 | 84.0 | 85.0 | 85.0 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1  |
| 0.5             | 61.7                       | 80.1 | 81.7 | 83.0 | 84.4 | 85.9 | 86.6 | 87.6 | 87.6 | 88.4 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7  |
| 0.25            | 61.8                       | 80.3 | 81.9 | 83.2 | 84.8 | 86.2 | 86.9 | 87.9 | 87.9 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0  |
| 0.1             | 62.3                       | 81.2 | 82.9 | 84.3 | 86.0 | 87.4 | 88.1 | 89.1 | 89.1 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2  |
| 0.05            | 62.3                       | 82.2 | 84.2 | 85.8 | 87.6 | 89.0 | 89.7 | 90.7 | 90.7 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8  |
| 0.025           | 62.4                       | 83.4 | 85.9 | 87.7 | 89.8 | 91.2 | 91.9 | 92.9 | 92.9 | 93.9 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3  |
| 0.01            | 62.4                       | 83.6 | 86.1 | 88.2 | 90.7 | 92.1 | 92.8 | 93.9 | 93.9 | 95.0 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4  |
| 0.005           | 62.4                       | 83.7 | 86.1 | 88.6 | 90.9 | 92.3 | 93.0 | 94.2 | 94.3 | 95.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9  |
| 0.0025          | 62.4                       | 83.8 | 86.2 | 88.8 | 91.3 | 92.8 | 93.4 | 94.8 | 94.9 | 96.0 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4  |
| 0.001           | 62.4                       | 83.8 | 86.3 | 88.9 | 91.4 | 92.9 | 93.6 | 94.9 | 95.2 | 96.8 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4  |
| 0.0005          | 62.4                       | 83.8 | 86.3 | 88.9 | 91.7 | 93.1 | 94.0 | 95.3 | 95.7 | 97.3 | 97.9 | 98.0 | 98.2 | 98.2 | 98.2 | 98.3  |
| 0.00025         | 62.4                       | 83.8 | 86.3 | 88.9 | 91.8 | 93.3 | 94.2 | 95.6 | 95.9 | 97.6 | 98.6 | 98.7 | 99.1 | 99.1 | 99.1 | 99.2  |
| 0.0001          | 62.4                       | 83.8 | 86.3 | 88.9 | 91.8 | 93.3 | 94.2 | 95.6 | 96.0 | 97.7 | 98.7 | 98.8 | 99.2 | 99.2 | 99.2 | 99.3  |
| 0.00005         | 62.4                       | 83.8 | 86.3 | 88.9 | 91.8 | 93.3 | 94.2 | 95.6 | 96.0 | 97.7 | 98.7 | 98.9 | 99.3 | 99.3 | 99.3 | 99.7  |
| 0.000025        | 62.4                       | 83.8 | 86.3 | 88.9 | 91.8 | 93.3 | 94.2 | 95.6 | 96.0 | 97.7 | 98.7 | 98.9 | 99.3 | 99.3 | 99.3 | 100.0 |
| 0.00001         | 62.4                       | 83.8 | 86.3 | 88.9 | 91.8 | 93.3 | 94.2 | 95.6 | 96.0 | 97.7 | 98.7 | 98.9 | 99.3 | 99.3 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

704057

PHILLIPS/AFERDEEN MD

46-57

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

15-2-1722

|     |     | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----|-----|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|     |     | 0                           | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
| 0-1 | 0-1 | 30.7                        | 44.2 | 44.3 | 45.0 | 45.8 | 46.3 | 46.7 | 47.4 | 46.4 | 46.7 | 46.9 | 46.8 | 46.8 | 46.7 | 46.9 | 46.8 |
| 0-2 | 0-2 | 42.9                        | 49.9 | 50.1 | 50.8 | 51.6 | 52.2 | 52.7 | 52.4 | 52.4 | 52.7 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| 0-3 | 0-3 | 42.9                        | 50.1 | 50.3 | 51.0 | 51.8 | 52.4 | 52.6 | 52.7 | 52.7 | 52.9 | 53.1 | 53.0 | 53.0 | 53.1 | 53.1 | 53.1 |
| 0-4 | 0-4 | 42.9                        | 50.1 | 50.3 | 51.0 | 51.8 | 52.4 | 52.6 | 52.7 | 52.7 | 52.9 | 53.1 | 53.0 | 53.0 | 53.1 | 53.1 | 53.1 |
| 0-5 | 0-5 | 44.1                        | 51.6 | 51.8 | 52.8 | 53.6 | 54.2 | 54.3 | 54.7 | 54.7 | 54.9 | 55.1 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 |
| 0-6 | 0-6 | 46.8                        | 55.6 | 55.8 | 56.8 | 57.6 | 58.2 | 58.3 | 58.7 | 58.7 | 58.9 | 59.0 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 |
| 0-7 | 0-7 | 49.1                        | 61.2 | 61.4 | 61.4 | 62.3 | 63.0 | 63.1 | 63.4 | 63.4 | 63.7 | 63.8 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 |
| 0-8 | 0-8 | 49.9                        | 61.1 | 61.4 | 62.7 | 63.6 | 64.2 | 64.7 | 64.7 | 64.7 | 64.7 | 64.9 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 |
| 0-9 | 0-9 | 51.0                        | 63.6 | 64.1 | 65.4 | 66.4 | 67.1 | 67.2 | 67.6 | 67.6 | 67.8 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| 1-0 | 1-0 | 52.1                        | 65.1 | 65.7 | 67.2 | 68.6 | 69.3 | 69.4 | 69.8 | 69.8 | 70.1 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 |
| 1-1 | 1-1 | 53.2                        | 66.4 | 67.1 | 68.6 | 69.9 | 70.7 | 70.8 | 71.1 | 71.1 | 71.3 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 |
| 1-2 | 1-2 | 55.8                        | 69.7 | 70.2 | 71.8 | 73.1 | 73.9 | 74.3 | 74.3 | 74.3 | 74.6 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 |
| 1-3 | 1-3 | 57.1                        | 71.3 | 71.9 | 73.6 | 74.9 | 75.7 | 75.9 | 76.2 | 76.2 | 76.6 | 76.8 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 |
| 1-4 | 1-4 | 58.3                        | 73.3 | 74.1 | 75.8 | 77.2 | 78.1 | 78.3 | 78.7 | 78.7 | 79.0 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 |
| 1-5 | 1-5 | 60.2                        | 75.6 | 76.4 | 78.3 | 79.8 | 80.6 | 81.3 | 81.7 | 81.7 | 82.0 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 |
| 1-6 | 1-6 | 62.7                        | 79.3 | 80.4 | 82.3 | 83.6 | 84.6 | 85.3 | 85.7 | 85.7 | 86.0 | 86.6 | 86.6 | 86.7 | 86.7 | 86.8 | 86.8 |
| 1-7 | 1-7 | 63.9                        | 80.6 | 81.9 | 83.9 | 85.4 | 86.2 | 87.1 | 87.4 | 87.4 | 87.9 | 88.4 | 88.4 | 88.6 | 88.6 | 88.7 | 88.7 |
| 1-8 | 1-8 | 64.2                        | 81.6 | 83.2 | 85.7 | 87.4 | 88.3 | 89.2 | 89.7 | 89.7 | 90.1 | 90.7 | 90.7 | 90.9 | 90.9 | 91.0 | 91.0 |
| 1-9 | 1-9 | 64.2                        | 81.6 | 83.7 | 86.1 | 87.9 | 88.8 | 89.7 | 90.1 | 90.1 | 90.6 | 91.1 | 91.1 | 91.3 | 91.3 | 91.4 | 91.4 |
| 2-0 | 2-0 | 64.2                        | 82.4 | 84.2 | 86.6 | 88.7 | 89.7 | 90.7 | 91.1 | 91.1 | 91.6 | 92.1 | 92.1 | 92.3 | 92.3 | 92.6 | 92.6 |
| 2-1 | 2-1 | 64.3                        | 83.4 | 85.3 | 88.0 | 89.9 | 90.9 | 91.9 | 92.3 | 92.4 | 92.9 | 93.4 | 93.4 | 93.7 | 93.7 | 93.9 | 93.9 |
| 2-2 | 2-2 | 64.3                        | 83.9 | 86.1 | 88.8 | 90.8 | 91.9 | 93.0 | 93.4 | 93.6 | 94.2 | 94.9 | 94.9 | 95.1 | 95.1 | 95.3 | 95.3 |
| 2-3 | 2-3 | 64.3                        | 83.9 | 86.3 | 89.0 | 91.0 | 92.1 | 93.2 | 93.7 | 93.9 | 94.4 | 95.1 | 95.1 | 95.6 | 95.6 | 95.9 | 95.9 |
| 2-4 | 2-4 | 64.3                        | 83.9 | 86.4 | 89.3 | 91.3 | 92.6 | 93.7 | 94.1 | 94.2 | 95.0 | 95.7 | 95.7 | 96.1 | 96.1 | 96.3 | 96.3 |
| 2-5 | 2-5 | 64.3                        | 84.0 | 86.7 | 89.6 | 91.6 | 92.9 | 94.2 | 94.7 | 94.9 | 95.7 | 96.3 | 96.3 | 96.8 | 96.8 | 97.1 | 97.1 |
| 2-6 | 2-6 | 64.3                        | 84.0 | 86.7 | 89.6 | 91.6 | 93.0 | 94.3 | 94.9 | 95.3 | 96.3 | 97.0 | 97.0 | 97.4 | 97.4 | 97.7 | 97.7 |
| 2-7 | 2-7 | 64.3                        | 84.0 | 86.7 | 89.6 | 91.6 | 93.0 | 94.4 | 95.1 | 95.6 | 96.8 | 97.4 | 97.4 | 98.0 | 98.0 | 98.2 | 98.2 |
| 2-8 | 2-8 | 64.3                        | 84.0 | 86.7 | 89.6 | 91.8 | 93.2 | 94.9 | 95.6 | 96.1 | 97.2 | 98.1 | 98.1 | 98.9 | 98.9 | 99.1 | 99.1 |
| 2-9 | 2-9 | 64.3                        | 84.0 | 86.7 | 89.6 | 91.8 | 93.2 | 94.9 | 95.6 | 96.7 | 97.6 | 98.4 | 98.4 | 99.2 | 99.2 | 99.4 | 99.4 |
| 3-0 | 3-0 | 64.3                        | 84.0 | 86.7 | 89.6 | 91.8 | 93.2 | 94.9 | 95.6 | 96.7 | 97.6 | 98.4 | 98.4 | 99.2 | 99.2 | 99.7 | 99.7 |
| 3-1 | 3-1 | 64.3                        | 84.0 | 86.7 | 89.6 | 91.8 | 93.2 | 94.9 | 95.6 | 96.7 | 97.6 | 98.4 | 98.4 | 99.2 | 99.2 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 270

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

704257 PHILLIPS/ABERDEEN MC

46-57

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-0000

| ELEVATION<br>(FEET) |      | VISIBILITY (STATUTE MILES) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------|------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                     |      | 20                         | 26   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12   |
| 1000                | 1000 | 42.2                       | 53.1 | 54.2 | 54.7 | 55.7 | 55.8 | 56.5 | 56.8 | 56.8 | 57.0 | 57.6 | 57.6 | 57.9 | 57.9 | 57.9 | 57.9 |
| 900                 | 900  | 44.0                       | 55.3 | 56.5 | 57.2 | 58.2 | 58.4 | 59.2 | 59.5 | 59.5 | 59.7 | 60.2 | 60.2 | 60.5 | 60.5 | 60.5 | 60.5 |
| 800                 | 800  | 44.1                       | 55.5 | 56.9 | 57.3 | 58.4 | 58.5 | 59.4 | 59.6 | 59.6 | 59.8 | 60.4 | 60.4 | 60.7 | 60.7 | 60.7 | 60.7 |
| 700                 | 700  | 44.1                       | 55.7 | 57.1 | 57.6 | 58.6 | 58.7 | 59.6 | 59.8 | 59.8 | 60.0 | 60.6 | 60.6 | 60.9 | 60.9 | 60.9 | 60.9 |
| 600                 | 600  | 44.7                       | 56.9 | 58.4 | 58.8 | 59.8 | 59.9 | 60.8 | 61.0 | 61.0 | 61.2 | 61.9 | 61.9 | 62.2 | 62.2 | 62.2 | 62.2 |
| 500                 | 500  | 45.5                       | 58.9 | 60.5 | 60.9 | 61.9 | 62.0 | 62.9 | 63.1 | 63.1 | 63.4 | 64.1 | 64.1 | 64.5 | 64.5 | 64.5 | 64.5 |
| 400                 | 400  | 47.6                       | 62.4 | 63.9 | 64.4 | 65.5 | 65.6 | 66.5 | 66.7 | 66.7 | 66.9 | 67.7 | 67.7 | 68.0 | 68.0 | 68.0 | 68.0 |
| 300                 | 300  | 48.2                       | 63.3 | 64.8 | 65.3 | 66.5 | 66.6 | 67.5 | 67.7 | 67.7 | 67.9 | 68.7 | 68.7 | 69.0 | 69.0 | 69.0 | 69.0 |
| 200                 | 200  | 49.0                       | 66.4 | 68.0 | 68.6 | 69.8 | 69.9 | 70.8 | 71.0 | 71.0 | 71.3 | 72.0 | 72.0 | 72.4 | 72.4 | 72.4 | 72.4 |
| 100                 | 100  | 49.6                       | 67.1 | 68.9 | 69.5 | 70.7 | 70.8 | 71.7 | 71.9 | 71.9 | 72.2 | 72.9 | 72.9 | 73.3 | 73.3 | 73.3 | 73.3 |
| 0                   | 0    | 51.3                       | 70.0 | 71.8 | 72.5 | 73.8 | 74.1 | 74.9 | 75.2 | 75.2 | 75.4 | 76.2 | 76.2 | 76.5 | 76.5 | 76.5 | 76.5 |
| 1000                | 1000 | 52.6                       | 72.4 | 74.4 | 75.1 | 76.4 | 76.6 | 77.6 | 77.8 | 77.8 | 78.1 | 78.8 | 78.8 | 79.2 | 79.2 | 79.2 | 79.2 |
| 900                 | 900  | 53.1                       | 73.5 | 75.7 | 76.5 | 77.8 | 78.1 | 79.1 | 79.3 | 79.3 | 79.5 | 80.4 | 80.4 | 80.7 | 80.7 | 80.7 | 80.7 |
| 800                 | 800  | 53.7                       | 76.2 | 78.4 | 79.3 | 80.8 | 81.1 | 82.1 | 82.3 | 82.3 | 82.5 | 83.6 | 83.6 | 84.0 | 84.0 | 84.0 | 84.0 |
| 700                 | 700  | 54.2                       | 77.3 | 79.5 | 80.4 | 82.0 | 82.2 | 83.2 | 83.4 | 83.4 | 83.6 | 84.7 | 84.7 | 85.1 | 85.1 | 85.1 | 85.1 |
| 600                 | 600  | 55.2                       | 79.4 | 81.7 | 82.4 | 84.1 | 84.3 | 85.5 | 85.7 | 85.7 | 86.0 | 87.1 | 87.1 | 87.4 | 87.4 | 87.4 | 87.4 |
| 500                 | 500  | 55.5                       | 80.4 | 83.2 | 84.7 | 86.9 | 87.4 | 88.6 | 88.9 | 88.9 | 89.1 | 90.2 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 |
| 400                 | 400  | 55.5                       | 80.7 | 83.6 | 85.3 | 87.5 | 88.1 | 89.3 | 89.5 | 89.5 | 89.8 | 90.9 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 |
| 300                 | 300  | 55.6                       | 81.1 | 84.2 | 86.4 | 88.9 | 89.6 | 91.1 | 91.4 | 91.4 | 91.6 | 92.8 | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 |
| 200                 | 200  | 55.6                       | 81.5 | 84.7 | 87.0 | 89.4 | 90.3 | 91.9 | 92.2 | 92.2 | 92.5 | 93.7 | 93.7 | 94.0 | 94.0 | 94.0 | 94.0 |
| 100                 | 100  | 55.6                       | 81.5 | 84.9 | 87.3 | 89.9 | 91.1 | 92.7 | 93.0 | 93.0 | 93.3 | 94.5 | 94.5 | 94.9 | 94.9 | 94.9 | 94.9 |
| 0                   | 0    | 55.6                       | 81.5 | 85.0 | 87.4 | 90.2 | 91.4 | 93.2 | 93.7 | 93.7 | 94.0 | 95.2 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 |
| 1000                | 1000 | 55.6                       | 81.5 | 85.0 | 87.4 | 90.2 | 91.5 | 93.4 | 93.9 | 93.9 | 94.2 | 95.5 | 95.5 | 95.9 | 95.9 | 95.9 | 95.9 |
| 900                 | 900  | 55.6                       | 81.5 | 85.0 | 87.4 | 90.2 | 91.5 | 93.5 | 94.0 | 94.0 | 94.3 | 95.6 | 95.6 | 96.0 | 96.0 | 96.0 | 96.0 |
| 800                 | 800  | 55.6                       | 81.5 | 85.0 | 87.4 | 90.2 | 91.5 | 93.8 | 94.2 | 94.2 | 94.5 | 95.8 | 95.8 | 96.2 | 96.2 | 96.2 | 96.2 |
| 700                 | 700  | 55.6                       | 81.5 | 85.1 | 87.5 | 90.3 | 91.6 | 94.2 | 94.7 | 94.7 | 95.0 | 96.3 | 96.3 | 96.7 | 96.7 | 96.7 | 96.7 |
| 600                 | 600  | 55.6                       | 81.5 | 85.1 | 87.5 | 90.3 | 91.6 | 94.2 | 95.2 | 95.2 | 95.5 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2 |
| 500                 | 500  | 55.6                       | 81.5 | 85.1 | 87.5 | 90.3 | 91.6 | 94.2 | 95.2 | 95.2 | 95.5 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2 |
| 400                 | 400  | 55.6                       | 81.5 | 85.1 | 87.5 | 90.3 | 91.6 | 94.2 | 95.2 | 95.2 | 95.5 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2 |
| 300                 | 300  | 55.6                       | 81.5 | 85.1 | 87.5 | 90.3 | 91.6 | 94.2 | 95.2 | 95.2 | 95.5 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2 |
| 200                 | 200  | 55.6                       | 81.5 | 85.1 | 87.5 | 90.3 | 91.6 | 94.2 | 95.2 | 95.2 | 95.5 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2 |
| 100                 | 100  | 55.6                       | 81.5 | 85.1 | 87.5 | 90.3 | 91.6 | 94.2 | 95.2 | 95.2 | 95.5 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2 |
| 0                   | 0    | 55.6                       | 81.5 | 85.1 | 87.5 | 90.3 | 91.6 | 94.2 | 95.2 | 95.2 | 95.5 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2 |

TOTAL NUMBER OF OBSERVATIONS 878

CLIMATE CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

7 4 57 PHILLIPS/ABERDEEN MD

44-57

### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1107-2100

|    |      | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----|------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|    |      | 1                          | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   |
| 1  | 37.2 | 53.3                       | 55.4 | 56.6 | 57.2 | 57.6 | 58.8 | 59.1 | 59.1 | 59.1 | 59.8 | 59.8 | 60.1 | 60.1 | 60.7 | 60.7 | 60.7 |
| 2  | 38.4 | 55.4                       | 57.5 | 58.6 | 59.3 | 59.8 | 60.9 | 61.2 | 61.2 | 61.2 | 61.8 | 61.9 | 62.2 | 62.2 | 62.4 | 62.4 | 62.4 |
| 3  | 39.7 | 55.5                       | 57.6 | 58.9 | 59.4 | 59.9 | 61.0 | 61.3 | 61.3 | 61.3 | 62.0 | 62.0 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 |
| 4  | 40.8 | 55.6                       | 57.7 | 59.0 | 59.5 | 60.0 | 61.1 | 61.4 | 61.4 | 61.4 | 62.1 | 62.1 | 62.4 | 62.4 | 62.7 | 62.7 | 62.7 |
| 5  | 41.9 | 55.1                       | 59.2 | 59.4 | 60.0 | 60.4 | 61.5 | 61.9 | 61.9 | 62.1 | 62.8 | 62.8 | 63.1 | 63.1 | 63.3 | 63.3 | 63.3 |
| 6  | 42.9 | 57.9                       | 61.0 | 61.3 | 61.9 | 62.3 | 63.4 | 63.5 | 63.5 | 63.9 | 64.7 | 64.7 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 |
| 7  | 41.2 | 61.1                       | 62.4 | 63.9 | 64.4 | 64.9 | 66.0 | 66.3 | 66.3 | 66.4 | 67.2 | 67.2 | 67.6 | 67.6 | 67.8 | 67.8 | 67.8 |
| 8  | 42.1 | 61.2                       | 63.5 | 65.0 | 65.6 | 66.0 | 67.1 | 67.4 | 67.4 | 67.6 | 68.3 | 68.3 | 68.7 | 68.7 | 68.9 | 68.9 | 68.9 |
| 9  | 43.1 | 63.0                       | 66.1 | 67.6 | 68.1 | 68.6 | 69.7 | 70.0 | 70.0 | 70.1 | 70.9 | 70.9 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 |
| 10 | 44.3 | 66.7                       | 69.0 | 70.5 | 71.1 | 71.6 | 72.7 | 73.1 | 73.1 | 73.1 | 73.9 | 73.9 | 74.2 | 74.2 | 74.5 | 74.5 | 74.5 |
| 11 | 45.7 | 69.1                       | 71.7 | 73.1 | 73.8 | 74.2 | 75.4 | 75.7 | 75.7 | 76.1 | 76.8 | 76.8 | 77.1 | 77.1 | 77.4 | 77.4 | 77.4 |
| 12 | 46.5 | 71.7                       | 73.2 | 74.7 | 75.4 | 75.8 | 76.9 | 77.3 | 77.3 | 77.6 | 78.4 | 78.4 | 78.7 | 78.7 | 78.9 | 78.9 | 78.9 |
| 13 | 46.4 | 72.4                       | 75.1 | 76.5 | 77.1 | 77.7 | 78.8 | 79.2 | 79.2 | 79.5 | 80.3 | 80.3 | 80.6 | 80.6 | 80.8 | 80.8 | 80.8 |
| 14 | 46.1 | 73.6                       | 76.9 | 78.5 | 79.2 | 79.7 | 80.8 | 81.2 | 81.2 | 81.5 | 82.4 | 82.4 | 82.9 | 82.9 | 83.2 | 83.2 | 83.2 |
| 15 | 46.9 | 74.5                       | 77.7 | 79.3 | 80.0 | 80.6 | 81.7 | 82.1 | 82.1 | 82.4 | 83.3 | 83.3 | 83.8 | 83.8 | 84.1 | 84.1 | 84.1 |
| 16 | 47.4 | 76.1                       | 79.5 | 81.2 | 82.4 | 82.9 | 84.1 | 84.4 | 84.4 | 84.7 | 85.6 | 85.6 | 86.3 | 86.3 | 86.5 | 86.5 | 86.5 |
| 17 | 47.7 | 76.7                       | 80.3 | 82.1 | 83.4 | 84.4 | 85.5 | 85.8 | 85.8 | 86.2 | 87.1 | 87.1 | 87.7 | 87.7 | 88.0 | 88.0 | 88.0 |
| 18 | 48.1 | 78.3                       | 81.8 | 83.7 | 85.1 | 86.1 | 87.2 | 87.5 | 87.5 | 87.8 | 88.7 | 88.7 | 89.4 | 89.4 | 89.6 | 89.6 | 89.6 |
| 19 | 48.1 | 78.3                       | 81.8 | 83.6 | 85.3 | 86.3 | 87.4 | 87.7 | 87.7 | 88.1 | 89.0 | 89.0 | 89.6 | 89.6 | 89.9 | 89.9 | 89.9 |
| 20 | 48.0 | 79.5                       | 83.2 | 85.3 | 86.6 | 87.8 | 89.0 | 89.3 | 89.3 | 89.6 | 90.5 | 90.5 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 |
| 21 | 48.1 | 79.7                       | 83.6 | 85.6 | 87.4 | 88.4 | 89.7 | 90.1 | 90.1 | 90.6 | 91.5 | 91.5 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 |
| 22 | 48.2 | 79.8                       | 84.2 | 86.6 | 88.3 | 89.6 | 91.1 | 91.4 | 91.4 | 92.2 | 93.1 | 93.1 | 93.9 | 93.9 | 94.2 | 94.2 | 94.2 |
| 23 | 48.2 | 79.8                       | 84.2 | 86.6 | 88.5 | 89.9 | 91.5 | 92.0 | 92.0 | 92.8 | 93.6 | 93.6 | 94.4 | 94.4 | 94.8 | 94.8 | 94.8 |
| 24 | 48.2 | 79.8                       | 84.4 | 86.8 | 88.7 | 90.3 | 92.1 | 92.5 | 92.5 | 93.3 | 94.2 | 94.2 | 95.0 | 95.0 | 95.3 | 95.3 | 95.3 |
| 25 | 48.2 | 79.8                       | 84.5 | 87.0 | 88.9 | 90.4 | 92.6 | 93.1 | 93.1 | 93.9 | 94.9 | 94.9 | 96.1 | 96.1 | 96.4 | 96.4 | 96.4 |
| 26 | 48.2 | 79.8                       | 84.6 | 87.1 | 89.1 | 90.7 | 93.3 | 93.8 | 93.8 | 94.5 | 95.5 | 95.5 | 96.8 | 96.8 | 97.1 | 97.1 | 97.1 |
| 27 | 48.2 | 79.8                       | 84.6 | 87.1 | 89.1 | 90.9 | 93.4 | 93.9 | 93.9 | 94.6 | 95.7 | 95.7 | 96.9 | 96.9 | 97.2 | 97.2 | 97.2 |
| 28 | 48.2 | 79.8                       | 84.6 | 87.1 | 89.1 | 90.9 | 93.4 | 93.9 | 93.9 | 94.9 | 95.9 | 95.9 | 97.1 | 97.1 | 97.5 | 97.5 | 97.5 |
| 29 | 48.2 | 79.8                       | 84.6 | 87.1 | 89.1 | 90.9 | 93.4 | 93.9 | 93.9 | 94.9 | 95.9 | 95.9 | 97.4 | 97.4 | 97.9 | 97.9 | 97.9 |
| 30 | 48.2 | 79.8                       | 84.6 | 87.1 | 89.1 | 90.9 | 93.5 | 94.0 | 94.0 | 95.1 | 96.1 | 96.1 | 97.8 | 97.8 | 98.2 | 98.2 | 98.2 |

TOTAL NUMBER OF OBSERVATIONS 997



GENERAL CLIMATOLOGY BRANCH  
USAF ETAC  
A. WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724-57 PHILLIPS/ASERDEEN MO

40-57

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

|      |      | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |
|------|------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
|      |      | 20                         | 26   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13    | 12    |
| 1000 | 33.4 | 46.1                       | 47.7 | 48.9 | 49.8 | 50.4 | 51.3 | 51.8 | 51.9 | 52.2 | 52.5 | 52.5 | 52.9 | 52.9 | 53.7 | 54.3  | 54.3  |
| 900  | 36.4 | 49.8                       | 51.6 | 52.7 | 53.7 | 54.4 | 55.3 | 55.9 | 55.9 | 56.3 | 56.6 | 56.6 | 57.2 | 57.2 | 57.2 | 57.5  | 57.5  |
| 800  | 38.6 | 51.1                       | 51.9 | 53.1 | 54.0 | 54.7 | 55.6 | 56.2 | 56.7 | 56.6 | 56.9 | 56.9 | 57.3 | 57.3 | 57.5 | 57.8  | 57.8  |
| 700  | 39.6 | 52.2                       | 51.9 | 53.2 | 54.1 | 54.8 | 55.7 | 56.3 | 56.3 | 56.7 | 57.1 | 57.0 | 57.4 | 57.4 | 57.6 | 57.9  | 57.9  |
| 600  | 47.3 | 51.3                       | 53.1 | 54.5 | 55.4 | 56.1 | 57.0 | 57.6 | 57.7 | 58.1 | 58.5 | 58.5 | 58.9 | 58.9 | 59.1 | 59.3  | 59.3  |
| 500  | 48.8 | 53.6                       | 55.7 | 57.1 | 58.0 | 58.7 | 59.7 | 60.4 | 60.4 | 60.8 | 61.2 | 61.2 | 61.7 | 61.7 | 61.8 | 62.2  | 62.2  |
| 400  | 40.4 | 57.0                       | 59.0 | 60.4 | 61.4 | 62.1 | 63.1 | 63.8 | 63.8 | 64.3 | 64.7 | 64.7 | 65.1 | 65.1 | 65.3 | 65.6  | 65.6  |
| 300  | 40.3 | 57.7                       | 59.1 | 61.3 | 62.3 | 63.0 | 64.1 | 64.7 | 64.7 | 65.2 | 65.6 | 65.6 | 66.1 | 66.1 | 66.3 | 66.6  | 66.6  |
| 200  | 42.1 | 60.4                       | 62.6 | 64.2 | 65.3 | 66.0 | 67.1 | 67.6 | 67.6 | 68.3 | 68.8 | 68.8 | 69.2 | 69.3 | 69.4 | 69.8  | 69.8  |
| 100  | 43.0 | 62.3                       | 64.5 | 66.2 | 67.4 | 68.2 | 69.2 | 69.9 | 70.0 | 70.5 | 71.0 | 71.0 | 71.5 | 71.5 | 71.7 | 72.1  | 72.1  |
| 000  | 44.3 | 64.5                       | 66.3 | 68.6 | 69.8 | 70.6 | 71.7 | 72.4 | 72.5 | 73.1 | 73.6 | 73.6 | 74.1 | 74.1 | 74.3 | 74.6  | 74.6  |
| 000  | 45.2 | 66.1                       | 68.5 | 70.3 | 71.6 | 72.4 | 73.6 | 74.3 | 74.3 | 74.9 | 75.4 | 75.4 | 75.9 | 75.9 | 76.2 | 76.5  | 76.5  |
| 000  | 46.0 | 67.4                       | 69.9 | 71.8 | 73.1 | 73.9 | 75.1 | 75.8 | 75.8 | 76.5 | 77.0 | 77.0 | 77.5 | 77.5 | 77.7 | 78.0  | 78.0  |
| 000  | 47.1 | 69.5                       | 72.1 | 74.0 | 75.4 | 76.3 | 77.6 | 78.2 | 78.3 | 79.0 | 79.5 | 79.5 | 80.1 | 80.1 | 80.3 | 80.6  | 80.6  |
| 000  | 47.8 | 70.8                       | 73.6 | 75.6 | 77.0 | 77.9 | 79.3 | 80.0 | 80.0 | 80.7 | 81.3 | 81.3 | 81.9 | 81.9 | 82.1 | 82.5  | 82.5  |
| 000  | 48.8 | 72.8                       | 75.2 | 78.1 | 79.6 | 80.5 | 81.9 | 82.7 | 82.7 | 83.4 | 84.0 | 84.0 | 84.6 | 84.6 | 84.9 | 85.2  | 85.2  |
| 000  | 49.3 | 73.9                       | 77.2 | 79.4 | 81.1 | 82.1 | 83.6 | 84.3 | 84.4 | 85.1 | 85.7 | 85.7 | 86.3 | 86.3 | 86.5 | 86.9  | 86.9  |
| 000  | 49.6 | 75.1                       | 78.5 | 80.9 | 82.7 | 83.8 | 85.3 | 86.1 | 86.1 | 86.9 | 87.5 | 87.5 | 88.1 | 88.1 | 88.3 | 88.7  | 88.7  |
| 000  | 49.7 | 75.3                       | 78.7 | 81.3 | 83.0 | 84.1 | 85.7 | 86.4 | 86.5 | 87.2 | 87.8 | 87.8 | 88.5 | 88.5 | 88.7 | 89.0  | 89.0  |
| 000  | 49.7 | 76.0                       | 79.5 | 82.2 | 84.2 | 85.4 | 87.0 | 87.6 | 87.9 | 88.6 | 89.2 | 89.2 | 89.9 | 89.9 | 90.2 | 90.5  | 90.5  |
| 000  | 49.8 | 76.7                       | 80.3 | 83.3 | 85.3 | 86.4 | 88.2 | 89.0 | 89.1 | 89.9 | 90.5 | 90.5 | 91.2 | 91.2 | 91.5 | 91.8  | 91.8  |
| 000  | 49.8 | 77.1                       | 81.1 | 84.3 | 86.5 | 87.6 | 89.6 | 90.5 | 90.5 | 91.5 | 92.1 | 92.1 | 92.9 | 92.9 | 93.2 | 93.6  | 93.6  |
| 000  | 49.8 | 77.2                       | 81.3 | 84.7 | 87.0 | 88.4 | 91.2 | 91.1 | 91.2 | 92.1 | 92.8 | 92.8 | 93.6 | 93.6 | 93.9 | 94.3  | 94.3  |
| 000  | 49.8 | 77.3                       | 81.5 | 84.9 | 87.2 | 88.6 | 90.6 | 91.5 | 91.6 | 92.6 | 93.3 | 93.3 | 94.1 | 94.1 | 94.4 | 94.8  | 94.8  |
| 000  | 49.8 | 77.4                       | 81.6 | 85.1 | 87.6 | 89.1 | 91.1 | 92.0 | 92.1 | 93.1 | 93.9 | 93.9 | 94.7 | 94.7 | 95.1 | 95.5  | 95.5  |
| 000  | 49.8 | 77.5                       | 81.7 | 85.3 | 87.8 | 89.4 | 91.6 | 92.6 | 92.7 | 93.9 | 94.7 | 94.7 | 95.6 | 95.6 | 96.0 | 96.4  | 96.4  |
| 000  | 49.8 | 77.5                       | 81.8 | 85.4 | 88.0 | 89.6 | 91.9 | 92.9 | 93.1 | 94.3 | 95.1 | 95.1 | 96.2 | 96.2 | 96.6 | 97.0  | 97.0  |
| 000  | 49.8 | 77.5                       | 81.8 | 85.4 | 88.1 | 89.8 | 92.2 | 93.2 | 93.4 | 94.6 | 95.6 | 95.6 | 96.7 | 96.8 | 97.2 | 97.6  | 97.6  |
| 000  | 49.8 | 77.5                       | 81.8 | 85.4 | 88.1 | 89.8 | 92.3 | 93.4 | 93.6 | 94.8 | 95.9 | 95.9 | 97.1 | 97.2 | 97.7 | 98.2  | 98.2  |
| 000  | 49.8 | 77.5                       | 81.8 | 85.4 | 88.1 | 89.8 | 92.4 | 93.5 | 93.7 | 95.0 | 96.1 | 96.2 | 97.7 | 97.8 | 98.4 | 99.3  | 99.3  |
| 000  | 49.8 | 77.5                       | 81.8 | 85.4 | 88.1 | 89.9 | 92.4 | 93.5 | 93.8 | 95.1 | 96.2 | 96.2 | 97.7 | 97.8 | 98.5 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7195

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724 57 PHILLIPS/ABERDEEN MD

47-55

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1990-2000

| CEILING<br>FEET |      | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 |      | 210                      | 20   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12    |
| 1000            | FOUR | 35.2                     | 49.1 | 57.4 | 51.7 | 52.2 | 52.3 | 52.9 | 53.0 | 53.7 | 53.2 | 53.5 | 53.5 | 53.9 | 54.1 | 54.2 | 54.3  |
| 900             | FOUR | 35.5                     | 54.0 | 55.5 | 56.7 | 57.6 | 57.7 | 58.3 | 58.4 | 58.4 | 58.6 | 58.9 | 58.9 | 59.3 | 59.5 | 59.6 | 59.7  |
| 800             | FOUR | 35.6                     | 54.3 | 55.8 | 57.1 | 57.9 | 58.1 | 58.6 | 58.7 | 58.7 | 58.9 | 59.3 | 59.3 | 59.6 | 59.8 | 59.9 | 60.0  |
| 700             | FOUR | 35.6                     | 54.3 | 55.8 | 57.1 | 57.9 | 58.1 | 58.6 | 58.7 | 58.7 | 58.9 | 59.3 | 59.3 | 59.6 | 59.8 | 59.9 | 60.0  |
| 600             | FOUR | 39.7                     | 55.2 | 56.7 | 57.9 | 58.8 | 58.9 | 59.5 | 59.6 | 59.6 | 59.8 | 60.2 | 60.2 | 60.5 | 60.7 | 60.9 | 60.9  |
| 500             | FOUR | 39.7                     | 57.2 | 59.8 | 60.0 | 61.1 | 61.3 | 61.8 | 61.9 | 61.9 | 62.1 | 62.5 | 62.5 | 62.8 | 63.2 | 63.1 | 63.2  |
| 400             | FOUR | 41.2                     | 60.2 | 61.8 | 63.1 | 64.2 | 64.3 | 65.7 | 65.1 | 65.1 | 65.3 | 65.7 | 65.7 | 66.2 | 66.4 | 66.7 | 66.8  |
| 300             | FOUR | 41.3                     | 60.4 | 62.3 | 63.4 | 64.5 | 64.6 | 65.2 | 65.3 | 65.3 | 65.6 | 65.9 | 65.9 | 66.4 | 66.7 | 66.9 | 67.0  |
| 200             | FOUR | 42.3                     | 62.0 | 63.9 | 65.2 | 66.3 | 66.8 | 67.4 | 67.5 | 67.5 | 67.8 | 68.1 | 68.1 | 68.7 | 68.9 | 69.1 | 69.2  |
| 100             | FOUR | 42.6                     | 63.0 | 65.0 | 66.3 | 67.4 | 67.9 | 68.5 | 68.7 | 68.7 | 68.9 | 69.2 | 69.2 | 69.8 | 70.0 | 70.2 | 70.3  |
| 50              | FOUR | 44.0                     | 66.1 | 68.1 | 69.6 | 70.8 | 71.3 | 72.0 | 72.1 | 72.1 | 72.3 | 72.6 | 72.6 | 73.2 | 73.4 | 73.6 | 73.7  |
| 25              | FOUR | 44.5                     | 67.8 | 69.9 | 71.6 | 72.7 | 73.3 | 74.0 | 74.1 | 74.1 | 74.3 | 74.6 | 74.6 | 75.2 | 75.4 | 75.6 | 75.7  |
| 10              | FOUR | 44.7                     | 68.4 | 70.5 | 72.7 | 73.8 | 74.4 | 75.1 | 75.2 | 75.2 | 75.4 | 75.7 | 75.7 | 76.3 | 76.5 | 76.7 | 76.8  |
| 5               | FOUR | 45.6                     | 70.2 | 72.6 | 75.2 | 76.3 | 76.8 | 77.9 | 78.0 | 78.0 | 78.4 | 78.7 | 78.7 | 79.4 | 79.7 | 79.9 | 80.0  |
| 2               | FOUR | 46.1                     | 71.6 | 74.4 | 77.3 | 78.4 | 78.9 | 80.0 | 80.1 | 80.1 | 80.5 | 80.8 | 80.8 | 81.6 | 81.9 | 82.1 | 82.2  |
| 1               | FOUR | 46.9                     | 73.0 | 75.8 | 79.0 | 80.1 | 80.7 | 81.8 | 81.9 | 81.9 | 82.2 | 82.6 | 82.6 | 83.3 | 83.7 | 83.9 | 84.0  |
| 0.5             | FOUR | 47.4                     | 74.7 | 77.7 | 80.9 | 82.0 | 82.6 | 83.8 | 83.9 | 83.9 | 84.2 | 84.5 | 84.5 | 85.3 | 85.7 | 85.9 | 86.0  |
| 0.25            | FOUR | 47.7                     | 75.6 | 78.6 | 81.8 | 82.9 | 83.4 | 84.8 | 84.9 | 84.9 | 85.2 | 85.5 | 85.5 | 86.3 | 86.6 | 86.9 | 87.0  |
| 0.1             | FOUR | 47.7                     | 75.6 | 78.6 | 81.9 | 83.1 | 83.7 | 85.0 | 85.1 | 85.1 | 85.4 | 85.8 | 85.8 | 86.5 | 86.9 | 87.1 | 87.2  |
| 0.05            | FOUR | 47.7                     | 75.6 | 79.6 | 83.3 | 84.8 | 85.3 | 86.9 | 87.0 | 87.0 | 87.3 | 87.6 | 87.6 | 88.4 | 88.7 | 89.0 | 89.1  |
| 0.025           | FOUR | 47.8                     | 76.5 | 79.9 | 84.1 | 85.5 | 86.1 | 87.6 | 87.7 | 87.7 | 88.3 | 88.6 | 88.6 | 89.5 | 89.8 | 90.1 | 90.2  |
| 0.01            | FOUR | 47.8                     | 76.6 | 80.2 | 84.5 | 86.4 | 87.3 | 88.9 | 89.1 | 89.1 | 89.7 | 90.1 | 90.1 | 90.9 | 91.3 | 91.5 | 91.6  |
| 0.005           | FOUR | 47.8                     | 76.6 | 80.2 | 84.7 | 86.5 | 87.4 | 89.1 | 89.3 | 89.3 | 90.1 | 90.4 | 90.4 | 91.3 | 91.6 | 91.8 | 91.9  |
| 0.0025          | FOUR | 47.8                     | 76.6 | 80.5 | 85.0 | 87.0 | 87.9 | 89.6 | 90.0 | 90.0 | 90.7 | 91.1 | 91.1 | 91.9 | 92.3 | 92.5 | 92.6  |
| 0.001           | FOUR | 47.8                     | 76.6 | 80.5 | 85.1 | 87.1 | 88.1 | 90.0 | 90.4 | 90.4 | 91.2 | 91.5 | 91.5 | 92.5 | 92.8 | 93.0 | 93.2  |
| 0.0005          | FOUR | 47.8                     | 76.8 | 80.5 | 85.3 | 87.3 | 88.3 | 90.5 | 90.9 | 90.9 | 91.9 | 92.3 | 92.3 | 93.4 | 93.7 | 93.9 | 94.0  |
| 0.00025         | FOUR | 47.8                     | 76.8 | 80.5 | 85.3 | 87.3 | 88.3 | 90.7 | 91.2 | 91.2 | 92.2 | 92.5 | 92.5 | 93.7 | 94.0 | 94.3 | 94.4  |
| 0.0001          | FOUR | 47.8                     | 77.2 | 81.0 | 85.9 | 88.0 | 89.2 | 91.6 | 92.2 | 92.2 | 93.2 | 93.5 | 93.5 | 94.7 | 95.0 | 95.5 | 95.6  |
| 0.00005         | FOUR | 47.8                     | 77.2 | 81.0 | 85.9 | 88.0 | 89.2 | 91.7 | 92.3 | 92.3 | 93.3 | 93.6 | 93.6 | 94.8 | 95.1 | 95.8 | 96.0  |
| 0.000025        | FOUR | 47.8                     | 77.2 | 81.0 | 85.9 | 88.0 | 89.2 | 91.8 | 92.4 | 92.4 | 93.5 | 93.8 | 93.8 | 95.1 | 95.5 | 96.1 | 96.4  |
| 0.00001         | FOUR | 47.8                     | 77.2 | 81.0 | 85.9 | 88.0 | 89.2 | 91.8 | 92.4 | 92.4 | 93.8 | 94.3 | 94.3 | 96.0 | 96.4 | 97.2 | 97.9  |
| 0.000005        | FOUR | 47.8                     | 77.2 | 81.0 | 85.9 | 88.0 | 89.2 | 91.8 | 92.4 | 92.4 | 94.2 | 94.7 | 94.7 | 96.5 | 96.8 | 97.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

75477 PHILLIPS/ABERDEEN MD

47-56

DIC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

300-500

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                      | 26   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12   |
| ≥1000           | 32.7                     | 46.5 | 47.8 | 49.7 | 50.6 | 50.6 | 51.4 | 51.7 | 51.7 | 51.8 | 51.8 | 51.8 | 52.5 | 52.6 | 52.8 | 52.9 |
| 900             | 35.4                     | 51.9 | 52.2 | 54.2 | 55.3 | 55.3 | 56.2 | 56.4 | 56.4 | 56.5 | 56.5 | 56.5 | 57.3 | 57.4 | 57.5 | 57.6 |
| 800             | 35.4                     | 51.9 | 52.2 | 54.2 | 55.3 | 55.3 | 56.2 | 56.4 | 56.4 | 56.5 | 56.5 | 56.5 | 57.3 | 57.4 | 57.5 | 57.6 |
| 700             | 35.4                     | 51.9 | 52.2 | 54.2 | 55.3 | 55.3 | 56.2 | 56.4 | 56.4 | 56.5 | 56.5 | 56.5 | 57.3 | 57.4 | 57.5 | 57.6 |
| 600             | 35.5                     | 51.7 | 53.7 | 55.0 | 56.1 | 56.1 | 57.0 | 57.2 | 57.2 | 57.3 | 57.3 | 57.3 | 58.1 | 58.2 | 58.3 | 58.4 |
| 500             | 36.2                     | 54.0 | 55.4 | 57.4 | 58.6 | 58.6 | 59.6 | 59.8 | 59.8 | 59.9 | 59.9 | 59.9 | 60.7 | 60.8 | 60.9 | 61.0 |
| 400             | 37.9                     | 57.0 | 58.6 | 60.9 | 62.4 | 62.4 | 63.6 | 63.8 | 63.8 | 64.2 | 64.2 | 64.2 | 65.0 | 65.1 | 65.2 | 65.3 |
| 300             | 38.7                     | 57.3 | 59.1 | 61.7 | 63.2 | 63.2 | 64.5 | 64.7 | 64.7 | 65.1 | 65.1 | 65.1 | 65.9 | 66.0 | 66.1 | 66.2 |
| 200             | 38.5                     | 59.2 | 61.0 | 63.7 | 65.6 | 65.6 | 66.8 | 67.0 | 67.0 | 67.7 | 67.7 | 67.7 | 68.4 | 68.5 | 68.7 | 68.8 |
| 100             | 38.9                     | 59.8 | 61.7 | 64.6 | 66.4 | 66.4 | 67.7 | 67.9 | 67.9 | 68.5 | 68.5 | 68.5 | 69.3 | 69.4 | 69.5 | 69.6 |
| ≥50             | 41.5                     | 61.7 | 63.7 | 66.8 | 69.2 | 69.2 | 71.4 | 70.0 | 70.6 | 71.3 | 71.3 | 71.3 | 72.1 | 72.2 | 72.3 | 72.4 |
| 40              | 41.4                     | 63.8 | 65.8 | 69.3 | 71.7 | 71.7 | 73.0 | 73.2 | 73.2 | 73.8 | 73.8 | 73.8 | 74.6 | 74.7 | 74.8 | 74.9 |
| 30              | 41.9                     | 64.6 | 66.6 | 70.2 | 72.8 | 72.8 | 74.2 | 74.4 | 74.4 | 75.1 | 75.1 | 75.1 | 75.8 | 75.9 | 76.0 | 76.2 |
| 20              | 42.7                     | 66.4 | 68.8 | 72.6 | 75.3 | 75.3 | 76.9 | 77.2 | 77.3 | 77.9 | 77.9 | 77.9 | 78.9 | 79.0 | 79.1 | 79.2 |
| 10              | 43.7                     | 67.8 | 70.1 | 74.0 | 76.6 | 76.6 | 78.5 | 78.7 | 78.8 | 79.5 | 79.5 | 79.5 | 80.5 | 80.6 | 80.7 | 80.8 |
| ≥5              | 44.4                     | 69.9 | 72.3 | 76.7 | 79.4 | 79.4 | 81.3 | 81.6 | 81.7 | 82.3 | 82.3 | 82.3 | 83.3 | 83.4 | 83.6 | 83.7 |
| 4               | 44.8                     | 71.3 | 73.4 | 78.3 | 81.9 | 81.1 | 82.9 | 83.1 | 83.2 | 83.9 | 83.9 | 83.9 | 84.9 | 85.0 | 85.1 | 85.2 |
| 3               | 44.3                     | 71.5 | 74.1 | 78.9 | 81.6 | 81.8 | 83.8 | 84.0 | 84.1 | 84.8 | 84.8 | 84.8 | 85.8 | 85.9 | 86.0 | 86.1 |
| 2               | 44.7                     | 71.5 | 74.1 | 78.9 | 81.6 | 81.8 | 83.9 | 84.1 | 84.2 | 84.9 | 84.9 | 84.9 | 85.9 | 86.0 | 86.1 | 86.2 |
| 1               | 44.9                     | 72.1 | 74.6 | 80.0 | 82.8 | 83.0 | 85.1 | 85.4 | 85.5 | 86.3 | 86.3 | 86.3 | 87.3 | 87.4 | 87.5 | 87.6 |
| ≥0              | 44.9                     | 72.4 | 74.9 | 80.4 | 83.1 | 83.3 | 85.5 | 85.9 | 86.0 | 86.9 | 86.9 | 86.9 | 87.9 | 88.0 | 88.1 | 88.2 |
| 0.5             | 44.9                     | 72.7 | 75.5 | 81.1 | 84.3 | 84.5 | 87.1 | 87.4 | 87.5 | 88.9 | 89.0 | 89.0 | 90.0 | 90.1 | 90.2 | 90.3 |
| 0.4             | 44.9                     | 72.7 | 75.6 | 81.2 | 84.7 | 84.9 | 87.4 | 88.1 | 88.2 | 89.5 | 89.6 | 89.6 | 90.6 | 90.7 | 90.8 | 90.9 |
| 0.3             | 44.9                     | 73.3 | 76.3 | 81.9 | 85.4 | 85.8 | 88.6 | 89.3 | 89.4 | 90.7 | 90.8 | 90.8 | 91.8 | 91.9 | 92.0 | 92.1 |
| 0.2             | 44.9                     | 73.4 | 76.4 | 82.3 | 85.9 | 86.3 | 89.3 | 90.0 | 90.1 | 91.5 | 91.6 | 91.6 | 92.6 | 92.7 | 92.9 | 93.2 |
| 0.1             | 44.9                     | 73.5 | 76.7 | 82.9 | 86.6 | 87.3 | 90.8 | 91.5 | 91.6 | 93.2 | 93.3 | 93.3 | 94.3 | 94.4 | 94.6 | 94.8 |
| 0.05            | 44.9                     | 73.5 | 76.7 | 82.9 | 86.6 | 87.5 | 91.6 | 92.3 | 92.4 | 94.0 | 94.2 | 94.2 | 95.3 | 95.4 | 95.6 | 95.8 |
| 0.04            | 44.9                     | 73.8 | 77.0 | 83.2 | 87.2 | 88.2 | 92.3 | 92.9 | 93.0 | 94.7 | 94.8 | 94.8 | 95.9 | 96.0 | 96.2 | 96.5 |
| 0.03            | 44.9                     | 73.8 | 77.0 | 83.2 | 87.2 | 88.2 | 92.3 | 92.9 | 93.2 | 94.9 | 95.0 | 95.0 | 96.1 | 96.2 | 96.5 | 96.7 |
| 0.02            | 44.9                     | 73.8 | 77.1 | 83.2 | 87.2 | 88.2 | 92.3 | 93.2 | 93.4 | 95.1 | 95.3 | 95.3 | 96.4 | 96.5 | 96.7 | 96.9 |
| 0.01            | 44.9                     | 73.8 | 77.0 | 83.2 | 87.2 | 88.2 | 92.3 | 93.2 | 93.4 | 95.1 | 95.4 | 95.4 | 96.6 | 96.7 | 96.9 | 97.6 |
| 0.005           | 44.9                     | 73.8 | 77.0 | 83.2 | 87.2 | 88.2 | 92.3 | 93.2 | 93.4 | 95.3 | 95.6 | 95.6 | 96.9 | 97.0 | 97.2 | 97.6 |

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

47-56

265

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-2400

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | 210                        | 26   | 25   | 24   | 23   | 22   | 22   | 21   | 21   | 21   | 21   | 21   | 21   | 21   | 21   | 21    |
| 24000           | 24.4                       | 35.7 | 36.5 | 38.9 | 39.6 | 40.0 | 42.1 | 42.6 | 42.6 | 43.2 | 43.5 | 43.5 | 43.7 | 43.9 | 44.0 | 44.7  |
| 22000           | 26.5                       | 38.5 | 39.6 | 42.4 | 43.2 | 43.6 | 45.9 | 46.5 | 46.5 | 47.0 | 47.4 | 47.4 | 47.7 | 47.9 | 48.0 | 48.7  |
| 20000           | 26.5                       | 39.0 | 40.1 | 42.9 | 43.7 | 44.3 | 46.6 | 47.1 | 47.1 | 47.7 | 48.0 | 48.0 | 48.3 | 48.6 | 48.7 | 49.3  |
| 18000           | 26.6                       | 39.2 | 40.3 | 43.3 | 44.0 | 44.6 | 46.9 | 47.5 | 47.5 | 48.0 | 48.3 | 48.3 | 48.7 | 48.9 | 49.0 | 49.7  |
| 16000           | 27.3                       | 41.3 | 42.4 | 45.5 | 46.4 | 46.9 | 49.2 | 49.8 | 49.8 | 50.3 | 50.7 | 50.7 | 51.0 | 51.2 | 51.3 | 52.0  |
| 14000           | 28.7                       | 44.7 | 46.5 | 49.6 | 50.4 | 51.0 | 53.6 | 54.2 | 54.2 | 54.9 | 55.2 | 55.2 | 55.6 | 55.8 | 56.0 | 56.6  |
| 12000           | 30.7                       | 49.4 | 51.2 | 54.5 | 55.5 | 56.1 | 58.8 | 59.7 | 59.7 | 60.7 | 61.0 | 61.0 | 61.7 | 61.9 | 62.0 | 62.7  |
| 10000           | 31.8                       | 50.0 | 52.2 | 55.8 | 56.8 | 57.5 | 60.3 | 61.3 | 61.3 | 62.3 | 62.6 | 62.6 | 63.2 | 63.5 | 63.6 | 64.2  |
| 8000            | 32.1                       | 52.9 | 55.5 | 59.5 | 60.7 | 61.6 | 64.3 | 65.3 | 65.3 | 66.3 | 66.9 | 66.9 | 67.5 | 67.8 | 67.9 | 68.5  |
| 6000            | 32.8                       | 54.1 | 56.7 | 60.7 | 62.1 | 63.0 | 66.0 | 67.0 | 67.0 | 68.0 | 68.5 | 68.5 | 69.2 | 69.4 | 69.5 | 70.2  |
| 5000            | 33.3                       | 55.0 | 57.7 | 61.8 | 63.4 | 64.3 | 67.4 | 68.4 | 68.4 | 69.4 | 70.0 | 70.0 | 70.6 | 70.9 | 71.0 | 71.6  |
| 4500            | 34.3                       | 56.1 | 58.9 | 63.5 | 65.0 | 66.0 | 69.1 | 70.1 | 70.1 | 71.2 | 71.7 | 71.7 | 72.5 | 72.7 | 72.8 | 73.5  |
| 4000            | 35.1                       | 57.8 | 60.6 | 65.5 | 67.0 | 68.0 | 71.2 | 72.2 | 72.2 | 73.3 | 73.8 | 73.8 | 74.6 | 74.8 | 74.9 | 75.6  |
| 3500            | 36.0                       | 59.9 | 62.7 | 67.8 | 69.6 | 70.6 | 73.8 | 75.1 | 75.1 | 76.2 | 76.7 | 76.7 | 77.5 | 77.7 | 77.8 | 78.5  |
| 3000            | 36.2                       | 60.7 | 63.6 | 69.0 | 71.1 | 72.1 | 75.4 | 76.6 | 76.6 | 77.8 | 78.5 | 78.5 | 79.2 | 79.5 | 79.6 | 80.2  |
| 2500            | 36.5                       | 61.6 | 64.5 | 70.1 | 72.3 | 73.3 | 76.9 | 78.1 | 78.1 | 79.4 | 80.0 | 80.0 | 80.9 | 81.0 | 81.1 | 81.8  |
| 2000            | 37.3                       | 63.4 | 66.4 | 72.1 | 74.3 | 75.5 | 79.1 | 80.4 | 80.4 | 81.6 | 82.3 | 82.3 | 83.1 | 83.3 | 83.4 | 84.1  |
| 1800            | 37.6                       | 64.1 | 67.3 | 73.1 | 75.3 | 76.5 | 80.1 | 81.3 | 81.3 | 82.6 | 83.3 | 83.3 | 84.1 | 84.3 | 84.4 | 85.1  |
| 1600            | 37.6                       | 64.2 | 67.4 | 73.2 | 75.5 | 76.7 | 80.4 | 81.6 | 81.6 | 82.8 | 83.6 | 83.6 | 84.3 | 84.5 | 84.7 | 85.3  |
| 1400            | 37.6                       | 64.6 | 67.8 | 73.7 | 76.2 | 77.5 | 81.1 | 82.7 | 82.7 | 84.0 | 85.0 | 85.0 | 85.8 | 86.0 | 86.1 | 86.8  |
| 1200            | 37.6                       | 64.8 | 68.0 | 74.0 | 76.5 | 77.8 | 81.5 | 83.0 | 83.0 | 84.3 | 85.3 | 85.3 | 86.2 | 86.4 | 86.5 | 87.2  |
| 1000            | 37.6                       | 64.9 | 68.5 | 74.6 | 77.3 | 78.6 | 82.6 | 84.1 | 84.1 | 85.5 | 86.5 | 86.5 | 87.5 | 87.7 | 88.0 | 88.6  |
| 900             | 37.6                       | 65.2 | 69.1 | 75.2 | 78.0 | 79.5 | 83.4 | 85.1 | 85.1 | 86.5 | 87.5 | 87.5 | 88.5 | 88.7 | 89.0 | 89.6  |
| 800             | 37.6                       | 65.3 | 69.2 | 75.4 | 78.4 | 80.2 | 84.4 | 86.1 | 86.1 | 87.5 | 88.5 | 88.6 | 89.7 | 90.0 | 90.3 | 90.9  |
| 700             | 37.6                       | 65.5 | 69.3 | 75.5 | 78.8 | 80.8 | 85.1 | 86.8 | 86.8 | 88.4 | 89.4 | 89.5 | 90.7 | 90.9 | 91.3 | 92.1  |
| 600             | 37.6                       | 65.7 | 69.6 | 76.0 | 79.7 | 81.7 | 86.1 | 87.7 | 87.9 | 89.5 | 90.5 | 90.6 | 91.9 | 92.2 | 92.5 | 93.3  |
| 500             | 37.6                       | 65.7 | 69.6 | 76.0 | 80.1 | 82.2 | 87.0 | 88.6 | 88.7 | 90.6 | 91.6 | 91.7 | 93.0 | 93.3 | 93.6 | 94.5  |
| 400             | 37.6                       | 65.8 | 70.0 | 76.4 | 80.5 | 82.6 | 87.3 | 89.0 | 89.1 | 90.9 | 92.1 | 92.2 | 93.5 | 93.7 | 94.3 | 95.1  |
| 300             | 37.6                       | 65.8 | 70.0 | 76.4 | 80.6 | 82.8 | 87.6 | 89.4 | 89.5 | 91.6 | 92.8 | 92.9 | 94.4 | 94.6 | 95.1 | 96.0  |
| 200             | 37.6                       | 65.8 | 70.0 | 76.4 | 80.6 | 82.8 | 87.7 | 89.5 | 89.6 | 91.7 | 93.0 | 93.2 | 94.9 | 95.4 | 95.9 | 97.4  |
| 100             | 37.6                       | 65.8 | 70.0 | 76.4 | 80.6 | 82.8 | 87.7 | 89.5 | 89.6 | 91.7 | 93.0 | 93.2 | 95.1 | 95.6 | 96.2 | 98.2  |
| 0               | 37.6                       | 65.8 | 70.0 | 76.4 | 80.6 | 82.8 | 87.7 | 89.5 | 89.6 | 91.7 | 93.0 | 93.2 | 95.3 | 95.8 | 96.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 906

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

74057 PHILLIPS/ABERDEEN MT

47-56

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

800-1130

| CEILING<br>FEET      | VISIBILITY, STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|----------------------|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                      | 20                        | 20   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12    |
| 2000                 | 27.6                      | 34.8 | 36.2 | 37.7 | 38.5 | 38.9 | 40.0 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.3 | 40.3 | 40.3 | 40.6  |
| 1800                 | 31.5                      | 41.9 | 43.3 | 45.4 | 46.4 | 46.8 | 48.1 | 48.3 | 48.3 | 48.5 | 48.5 | 48.5 | 48.7 | 48.7 | 48.7 | 49.3  |
| 1600                 | 31.6                      | 42.2 | 44.0 | 46.1 | 47.1 | 47.6 | 48.9 | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | 49.4 | 49.4 | 49.4 | 49.8  |
| 1400                 | 31.7                      | 42.6 | 44.6 | 46.7 | 47.7 | 48.1 | 49.4 | 49.7 | 49.7 | 49.7 | 49.8 | 49.8 | 49.8 | 50.0 | 50.0 | 50.3  |
| 1200                 | 32.2                      | 44.2 | 46.2 | 48.5 | 49.4 | 49.9 | 51.3 | 51.5 | 51.5 | 51.7 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 52.2  |
| 1000                 | 32.3                      | 46.7 | 49.0 | 51.4 | 52.5 | 53.0 | 54.6 | 54.9 | 54.9 | 55.0 | 55.0 | 55.1 | 55.2 | 55.2 | 55.2 | 55.5  |
| 800                  | 35.3                      | 51.0 | 54.0 | 56.5 | 57.7 | 58.3 | 60.2 | 60.5 | 60.5 | 60.6 | 60.6 | 60.6 | 61.0 | 61.0 | 61.0 | 61.4  |
| 600                  | 36.2                      | 52.2 | 55.4 | 58.1 | 59.3 | 59.8 | 61.7 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.6 | 62.6 | 62.6 | 62.9  |
| 400                  | 37.4                      | 54.6 | 58.3 | 61.6 | 62.8 | 63.4 | 65.3 | 65.8 | 65.8 | 66.4 | 66.4 | 66.4 | 66.9 | 66.9 | 66.9 | 67.2  |
| 200                  | 38.1                      | 55.5 | 59.5 | 62.9 | 64.2 | 64.8 | 67.0 | 67.4 | 67.4 | 68.1 | 68.1 | 68.1 | 68.5 | 68.5 | 68.5 | 68.9  |
| 100                  | 38.9                      | 57.2 | 61.1 | 64.8 | 66.2 | 66.8 | 69.1 | 69.5 | 69.5 | 70.2 | 70.2 | 70.2 | 70.6 | 70.6 | 70.6 | 71.0  |
| 50                   | 39.5                      | 58.1 | 62.3 | 66.2 | 67.8 | 68.3 | 70.9 | 71.4 | 71.4 | 72.1 | 72.1 | 72.1 | 72.5 | 72.5 | 72.5 | 72.8  |
| 25                   | 40.4                      | 59.4 | 63.6 | 67.7 | 69.4 | 70.1 | 72.6 | 73.2 | 73.2 | 74.0 | 74.0 | 74.0 | 74.4 | 74.4 | 74.4 | 74.7  |
| 12.5                 | 41.3                      | 60.9 | 65.2 | 69.4 | 71.4 | 72.1 | 74.6 | 75.2 | 75.2 | 75.9 | 75.9 | 75.9 | 76.4 | 76.4 | 76.4 | 76.7  |
| 6.25                 | 42.6                      | 62.8 | 67.2 | 71.6 | 74.0 | 74.6 | 77.2 | 77.7 | 77.7 | 78.5 | 78.5 | 78.5 | 78.9 | 78.9 | 78.9 | 79.2  |
| 3.125                | 43.7                      | 64.7 | 69.2 | 73.7 | 76.0 | 76.7 | 79.6 | 80.1 | 80.1 | 80.9 | 80.9 | 80.9 | 81.3 | 81.3 | 81.3 | 81.7  |
| 1.5625               | 44.0                      | 65.2 | 69.8 | 74.5 | 76.8 | 77.5 | 80.4 | 80.9 | 80.9 | 81.8 | 81.8 | 81.8 | 82.2 | 82.2 | 82.2 | 82.6  |
| 0.78125              | 44.3                      | 66.0 | 70.6 | 75.6 | 77.9 | 78.6 | 81.5 | 82.1 | 82.1 | 83.0 | 83.0 | 83.0 | 83.4 | 83.4 | 83.4 | 83.8  |
| 0.390625             | 44.5                      | 66.1 | 71.8 | 75.7 | 78.0 | 78.8 | 81.8 | 82.6 | 82.6 | 83.4 | 83.4 | 83.4 | 83.9 | 83.9 | 83.9 | 84.2  |
| 0.1953125            | 44.6                      | 67.0 | 71.6 | 76.6 | 79.0 | 80.0 | 83.2 | 84.3 | 84.4 | 85.4 | 85.4 | 85.4 | 85.9 | 85.9 | 85.9 | 86.2  |
| 0.09765625           | 44.6                      | 67.9 | 72.5 | 77.6 | 80.2 | 81.3 | 84.7 | 85.8 | 86.0 | 87.0 | 87.2 | 87.2 | 87.9 | 87.9 | 88.0 | 88.3  |
| 0.048828125          | 44.7                      | 68.1 | 72.7 | 78.0 | 80.8 | 82.0 | 85.3 | 86.8 | 87.0 | 88.0 | 88.2 | 88.2 | 88.9 | 88.9 | 89.0 | 89.3  |
| 0.0244140625         | 44.7                      | 68.1 | 72.7 | 78.3 | 81.0 | 82.5 | 85.8 | 87.3 | 87.5 | 88.5 | 88.7 | 88.7 | 89.4 | 89.4 | 89.5 | 89.8  |
| 0.01220703125        | 44.8                      | 68.3 | 73.0 | 78.6 | 81.9 | 83.9 | 87.2 | 88.9 | 89.1 | 90.1 | 90.3 | 90.3 | 90.9 | 90.9 | 91.1 | 91.4  |
| 0.006103515625       | 44.9                      | 68.5 | 73.3 | 79.1 | 82.7 | 84.9 | 88.5 | 90.2 | 90.4 | 91.6 | 91.8 | 91.8 | 92.8 | 92.8 | 92.9 | 93.3  |
| 0.0030517578125      | 44.9                      | 68.5 | 73.3 | 79.1 | 83.1 | 85.5 | 89.5 | 91.3 | 91.6 | 93.0 | 93.3 | 93.3 | 94.3 | 94.3 | 94.4 | 94.7  |
| 0.00152587890625     | 44.9                      | 68.7 | 73.4 | 79.2 | 83.4 | 85.9 | 89.8 | 91.9 | 92.3 | 93.8 | 94.0 | 94.0 | 95.1 | 95.1 | 95.3 | 95.6  |
| 0.000762939453125    | 44.9                      | 68.7 | 73.4 | 79.2 | 83.7 | 86.1 | 90.2 | 92.4 | 92.7 | 94.4 | 94.9 | 94.9 | 96.2 | 96.2 | 96.5 | 97.2  |
| 0.0003814697265625   | 44.9                      | 68.7 | 73.4 | 79.2 | 83.8 | 86.2 | 90.3 | 92.5 | 92.8 | 94.6 | 95.3 | 95.3 | 96.9 | 96.9 | 97.6 | 98.7  |
| 0.00019073486328125  | 44.9                      | 68.7 | 73.4 | 79.2 | 83.8 | 86.2 | 90.3 | 92.5 | 92.8 | 94.6 | 95.6 | 95.6 | 97.5 | 97.6 | 98.2 | 99.4  |
| 0.000095367431640625 | 44.9                      | 68.7 | 73.4 | 79.2 | 83.8 | 86.2 | 90.3 | 92.5 | 92.8 | 94.6 | 95.6 | 95.6 | 97.5 | 97.7 | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

704057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

47-56  
LAT

DLC  
MO

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
TIME

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1    |
| NO CEILING      | 29.0                       | 35.0 | 36.3 | 36.6 | 37.3 | 37.4 | 37.7 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9  |
| ≥ 20000         | 35.0                       | 43.4 | 44.9 | 45.5 | 46.2 | 46.5 | 46.9 | 47.0 | 47.0 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2  |
| ≥ 8000          | 35.3                       | 43.9 | 45.6 | 46.2 | 47.0 | 47.2 | 47.7 | 47.8 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0  |
| ≥ 6000          | 35.4                       | 44.2 | 45.8 | 46.5 | 47.2 | 47.5 | 47.9 | 48.0 | 48.0 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2  |
| ≥ 4000          | 37.1                       | 46.1 | 47.8 | 48.5 | 49.2 | 49.6 | 50.0 | 50.1 | 50.1 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3  |
| ≥ 2000          | 39.1                       | 51.1 | 51.9 | 52.5 | 53.3 | 53.6 | 54.1 | 54.2 | 54.2 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4  |
| ≥ 1000          | 42.7                       | 55.2 | 57.1 | 58.1 | 58.9 | 59.3 | 60.0 | 60.7 | 60.7 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4  |
| ≥ 900           | 43.3                       | 56.3 | 58.4 | 59.4 | 60.3 | 60.6 | 61.4 | 61.5 | 61.5 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7  |
| ≥ 800           | 43.8                       | 58.1 | 60.6 | 61.7 | 62.8 | 63.4 | 64.1 | 64.2 | 64.2 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5  |
| ≥ 700           | 44.4                       | 59.3 | 61.9 | 63.0 | 64.1 | 64.9 | 65.8 | 65.9 | 65.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1  |
| ≥ 600           | 45.7                       | 61.5 | 64.2 | 65.3 | 66.4 | 67.2 | 68.2 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  |
| ≥ 500           | 46.5                       | 63.2 | 66.0 | 67.1 | 68.2 | 69.2 | 70.2 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5  |
| ≥ 450           | 47.5                       | 64.5 | 67.2 | 68.3 | 69.6 | 70.8 | 71.7 | 72.0 | 72.0 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2  |
| ≥ 400           | 50.7                       | 68.3 | 71.2 | 72.5 | 74.1 | 75.3 | 76.5 | 76.7 | 76.7 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0  |
| ≥ 350           | 52.3                       | 70.3 | 73.5 | 74.9 | 76.5 | 77.7 | 79.1 | 79.4 | 79.4 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7  |
| ≥ 300           | 53.8                       | 72.2 | 75.4 | 76.9 | 78.5 | 79.7 | 81.1 | 81.3 | 81.3 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0  |
| ≥ 250           | 54.6                       | 74.0 | 77.4 | 78.9 | 80.5 | 81.7 | 83.1 | 83.4 | 83.6 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3  |
| ≥ 200           | 54.7                       | 75.8 | 79.2 | 80.8 | 82.3 | 83.6 | 85.0 | 85.3 | 85.4 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3  |
| ≥ 180           | 54.9                       | 76.0 | 79.6 | 81.1 | 82.8 | 84.0 | 85.4 | 85.8 | 85.9 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8  |
| ≥ 160           | 55.6                       | 77.4 | 81.0 | 82.9 | 84.5 | 85.8 | 87.2 | 87.6 | 87.9 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9  |
| ≥ 140           | 55.6                       | 77.9 | 81.6 | 83.4 | 85.4 | 86.6 | 88.1 | 88.7 | 89.0 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0  |
| ≥ 120           | 56.3                       | 78.3 | 82.2 | 84.3 | 86.3 | 87.5 | 89.1 | 89.7 | 90.0 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9  |
| ≥ 100           | 56.0                       | 78.5 | 82.6 | 84.8 | 86.8 | 88.3 | 89.8 | 90.5 | 90.7 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9  |
| ≥ 90            | 56.2                       | 78.7 | 82.8 | 85.1 | 87.4 | 89.0 | 90.8 | 91.6 | 91.9 | 93.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3  |
| ≥ 80            | 56.3                       | 79.0 | 83.2 | 85.7 | 88.2 | 89.7 | 91.6 | 92.4 | 92.7 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0  |
| ≥ 70            | 56.3                       | 79.4 | 83.7 | 86.2 | 88.9 | 90.4 | 92.5 | 93.3 | 93.6 | 94.9 | 95.3 | 95.3 | 95.3 | 95.3 | 95.6 | 95.6  |
| ≥ 60            | 56.3                       | 79.4 | 83.7 | 86.3 | 89.0 | 90.6 | 92.7 | 93.7 | 94.0 | 95.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.4 | 96.4  |
| ≥ 50            | 56.3                       | 79.5 | 83.8 | 86.4 | 89.3 | 90.9 | 93.2 | 94.2 | 94.6 | 96.5 | 96.9 | 96.9 | 97.0 | 97.0 | 97.4 | 97.4  |
| ≥ 40            | 56.3                       | 79.5 | 83.8 | 86.4 | 89.4 | 91.1 | 93.4 | 94.5 | 94.9 | 97.5 | 98.2 | 98.2 | 98.6 | 98.6 | 98.9 | 99.0  |
| ≥ 30            | 56.3                       | 79.5 | 83.8 | 86.4 | 89.4 | 91.1 | 93.4 | 94.5 | 94.9 | 97.8 | 98.6 | 98.6 | 98.9 | 98.9 | 99.3 | 99.6  |
| ≥ 20            | 56.3                       | 79.5 | 83.8 | 86.4 | 89.4 | 91.1 | 93.4 | 94.5 | 94.9 | 97.8 | 98.8 | 98.8 | 99.1 | 99.3 | 99.8 | 100.0 |
| ≥ 10            | 56.3                       | 79.5 | 83.8 | 86.4 | 89.4 | 91.1 | 93.4 | 94.5 | 94.9 | 97.8 | 98.8 | 98.8 | 99.1 | 99.3 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

47-56

DLG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING<br>FEET | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                        | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| 20000           | 34.3                       | 40.5 | 41.5 | 42.7 | 43.2 | 43.4 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| 18000           | 39.6                       | 48.2 | 49.4 | 50.7 | 51.1 | 51.3 | 51.4 | 51.4 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 16000           | 39.6                       | 49.2 | 50.4 | 51.7 | 52.1 | 52.3 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 14000           | 41.2                       | 51.9 | 53.1 | 54.3 | 54.7 | 55.1 | 55.2 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| 12000           | 43.8                       | 55.4 | 56.6 | 57.8 | 58.3 | 58.7 | 58.8 | 58.8 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| 10000           | 46.0                       | 58.2 | 59.4 | 60.8 | 61.4 | 61.8 | 62.0 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| 8000            | 46.4                       | 59.1 | 60.3 | 61.7 | 62.3 | 62.7 | 62.9 | 62.9 | 62.9 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 6000            | 47.6                       | 60.9 | 62.4 | 63.8 | 64.3 | 64.9 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 4000            | 49.2                       | 63.6 | 65.1 | 66.8 | 67.3 | 67.9 | 68.4 | 68.4 | 68.4 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| 2000            | 50.2                       | 65.2 | 66.9 | 68.4 | 69.0 | 69.5 | 70.1 | 70.1 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| 1000            | 51.1                       | 66.7 | 68.2 | 69.9 | 70.4 | 71.0 | 71.7 | 71.7 | 71.7 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| 500             | 52.1                       | 67.8 | 69.3 | 71.0 | 71.5 | 72.1 | 72.8 | 72.8 | 72.8 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 200             | 54.6                       | 71.7 | 73.4 | 75.1 | 75.7 | 76.3 | 77.0 | 77.0 | 77.0 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 100             | 55.4                       | 73.0 | 74.8 | 76.9 | 77.7 | 78.3 | 79.1 | 79.1 | 79.1 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| 50              | 57.0                       | 75.6 | 77.6 | 79.9 | 80.8 | 81.5 | 82.6 | 82.6 | 82.6 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| 20              | 57.8                       | 77.6 | 79.7 | 82.0 | 83.0 | 83.7 | 85.0 | 85.0 | 85.0 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 10              | 58.2                       | 79.1 | 81.6 | 83.9 | 84.9 | 85.5 | 87.3 | 87.3 | 87.3 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 5               | 58.3                       | 79.4 | 81.8 | 84.2 | 85.2 | 85.9 | 87.6 | 87.6 | 87.6 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 2               | 58.3                       | 79.8 | 82.2 | 84.9 | 86.1 | 86.8 | 88.6 | 88.6 | 88.6 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| 1               | 58.4                       | 80.1 | 82.7 | 85.3 | 86.8 | 87.6 | 89.7 | 89.8 | 89.8 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| 0.5             | 58.4                       | 80.4 | 82.9 | 85.8 | 87.3 | 88.3 | 90.6 | 90.7 | 90.7 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 0.2             | 58.4                       | 81.0 | 84.1 | 87.0 | 88.5 | 90.0 | 92.5 | 92.7 | 92.7 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 0.1             | 58.4                       | 81.2 | 84.3 | 87.5 | 89.2 | 90.7 | 93.4 | 93.8 | 93.8 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 95.0 | 95.0 |
| 0.05            | 58.4                       | 81.2 | 84.3 | 87.5 | 89.2 | 90.7 | 93.4 | 93.8 | 93.8 | 94.7 | 94.9 | 94.9 | 95.1 | 95.1 | 95.3 | 95.3 |
| 0.02            | 58.4                       | 81.3 | 84.4 | 87.6 | 89.3 | 90.9 | 93.9 | 94.5 | 94.5 | 95.4 | 95.7 | 95.7 | 95.9 | 95.9 | 96.0 | 96.0 |
| 0.01            | 58.4                       | 81.3 | 84.4 | 87.6 | 89.3 | 90.9 | 94.3 | 95.0 | 95.0 | 96.0 | 96.5 | 96.5 | 96.7 | 96.7 | 96.8 | 96.8 |
| 0.005           | 58.4                       | 81.3 | 84.4 | 87.6 | 89.3 | 91.1 | 94.4 | 95.1 | 95.1 | 97.2 | 98.0 | 98.1 | 98.3 | 98.6 | 98.9 | 99.7 |
| 0.002           | 58.4                       | 81.3 | 84.4 | 87.6 | 89.3 | 91.1 | 94.4 | 95.1 | 95.1 | 97.2 | 98.0 | 98.1 | 98.3 | 98.6 | 98.9 | 99.9 |
| 0.001           | 58.4                       | 81.3 | 84.4 | 87.6 | 89.3 | 91.1 | 94.4 | 95.1 | 95.1 | 97.2 | 98.0 | 98.1 | 98.3 | 98.6 | 98.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 206

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724757

PHILLIPS/ABERDEEN MO

47-56

DEC

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1966-2400

| CEILING<br>FEET | VISIBILITY STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                 | ≥10                      | ≥6   | ≥5   | ≥4   | ≥3   | ≥2   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   | ≥1   |
| 20000           | 40.5                     | 51.1 | 51.5 | 52.5 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| 18000           | 43.2                     | 55.8 | 56.3 | 57.3 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| 16000           | 43.2                     | 56.0 | 56.4 | 57.4 | 57.8 | 57.8 | 57.9 | 57.9 | 57.9 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| 14000           | 44.3                     | 57.4 | 57.8 | 58.8 | 59.3 | 59.3 | 59.4 | 59.4 | 59.4 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| 12000           | 44.9                     | 60.2 | 60.6 | 61.6 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 10000           | 46.5                     | 63.4 | 63.8 | 64.8 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| 8000            | 47.2                     | 64.1 | 64.6 | 65.6 | 66.0 | 66.0 | 66.1 | 66.1 | 66.1 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| 6000            | 47.9                     | 65.5 | 66.1 | 67.1 | 67.7 | 67.8 | 68.1 | 68.1 | 68.1 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| 4000            | 49.2                     | 68.0 | 68.8 | 69.9 | 70.5 | 70.6 | 71.0 | 71.0 | 71.0 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| 2000            | 51.1                     | 70.2 | 71.1 | 72.3 | 73.0 | 73.2 | 73.5 | 73.6 | 73.6 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| 1000            | 52.0                     | 71.4 | 72.8 | 74.1 | 74.9 | 75.2 | 75.9 | 76.0 | 76.0 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 500             | 52.4                     | 72.2 | 73.7 | 74.9 | 75.8 | 76.0 | 76.8 | 76.9 | 76.9 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 250             | 53.5                     | 74.6 | 76.2 | 77.4 | 78.3 | 78.5 | 79.2 | 79.4 | 79.4 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 150             | 53.6                     | 75.1 | 76.8 | 78.4 | 79.2 | 79.5 | 80.2 | 80.4 | 80.4 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| 100             | 54.0                     | 76.2 | 78.5 | 80.2 | 81.1 | 81.3 | 82.1 | 82.5 | 82.5 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| 75              | 54.5                     | 77.9 | 80.7 | 82.6 | 83.9 | 84.3 | 85.1 | 85.4 | 85.4 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 50              | 54.5                     | 78.3 | 81.3 | 83.2 | 84.7 | 85.2 | 86.1 | 86.4 | 86.4 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| 25              | 54.5                     | 79.6 | 81.7 | 83.6 | 85.5 | 86.1 | 87.0 | 87.3 | 87.3 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 15              | 54.5                     | 79.8 | 82.9 | 84.9 | 86.9 | 87.4 | 88.3 | 88.6 | 88.6 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 10              | 54.5                     | 80.2 | 83.4 | 85.5 | 87.5 | 88.3 | 89.6 | 90.0 | 90.0 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| 7.5             | 54.6                     | 80.5 | 84.2 | 86.3 | 88.3 | 89.6 | 91.1 | 91.5 | 91.5 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 5               | 54.6                     | 80.6 | 84.4 | 86.8 | 88.7 | 90.1 | 91.6 | 92.1 | 92.1 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| 2.5             | 54.6                     | 80.6 | 84.4 | 86.9 | 88.9 | 90.3 | 91.9 | 92.4 | 92.4 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 1.5             | 54.6                     | 80.7 | 84.7 | 87.1 | 89.2 | 90.6 | 92.5 | 93.0 | 93.0 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 1               | 54.6                     | 80.7 | 84.7 | 87.1 | 89.3 | 90.7 | 92.7 | 93.6 | 93.6 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| .75             | 54.6                     | 80.7 | 84.8 | 87.2 | 89.4 | 90.8 | 92.8 | 93.9 | 93.9 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| .5              | 54.6                     | 80.7 | 84.8 | 87.2 | 89.4 | 90.8 | 93.0 | 94.8 | 94.8 | 96.0 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| .25             | 54.6                     | 80.7 | 84.8 | 87.2 | 89.4 | 90.8 | 93.0 | 94.8 | 94.8 | 96.5 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| .15             | 54.6                     | 80.7 | 84.8 | 87.2 | 89.4 | 90.8 | 93.0 | 94.8 | 94.8 | 96.5 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |

TOTAL NUMBER OF OBSERVATIONS 926



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

724057 PHILLIPS/ABERDEEN MD

47-56

210

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

11-2-2300

|       |       | VISIBILITY - STATUTE MILES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------|-------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       |       | 210                        | 20   | 25   | 24   | 23   | 22   | 21   | 20   | 19   | 18   | 17   | 16   | 15   | 14   | 13   | 12   |
| 1000  | 1000  | 35.3                       | 48.9 | 50.3 | 50.9 | 51.3 | 51.3 | 51.7 | 51.8 | 51.8 | 51.9 | 51.9 | 51.9 | 52.0 | 52.0 | 52.1 | 52.4 |
| 2000  | 2000  | 38.3                       | 53.5 | 55.1 | 55.7 | 56.4 | 56.4 | 56.7 | 56.8 | 56.8 | 57.0 | 57.0 | 57.0 | 57.1 | 57.1 | 57.1 | 57.6 |
| 3000  | 3000  | 38.5                       | 53.9 | 55.3 | 56.1 | 56.7 | 56.7 | 57.1 | 57.2 | 57.2 | 57.3 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4 | 57.8 |
| 4000  | 4000  | 38.5                       | 53.9 | 55.3 | 56.2 | 56.8 | 56.8 | 57.2 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4 | 57.5 | 57.5 | 57.5 | 57.9 |
| 5000  | 5000  | 39.3                       | 55.2 | 56.6 | 57.5 | 58.2 | 58.2 | 58.5 | 58.6 | 58.6 | 58.7 | 58.7 | 58.7 | 58.8 | 58.8 | 58.8 | 59.3 |
| 6000  | 6000  | 39.7                       | 57.3 | 58.7 | 59.6 | 60.3 | 60.3 | 60.6 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 | 61.4 |
| 7000  | 7000  | 41.3                       | 60.5 | 61.9 | 62.8 | 63.5 | 63.5 | 63.8 | 64.0 | 64.0 | 64.1 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.7 |
| 8000  | 8000  | 41.5                       | 61.1 | 62.6 | 63.5 | 64.1 | 64.1 | 64.5 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 64.9 | 65.3 |
| 9000  | 9000  | 42.3                       | 63.6 | 65.0 | 66.0 | 66.7 | 66.8 | 67.1 | 67.7 | 67.7 | 67.8 | 67.8 | 67.8 | 67.9 | 67.9 | 67.9 | 68.3 |
| 10000 | 10000 | 43.7                       | 64.8 | 66.4 | 67.5 | 68.4 | 68.5 | 68.9 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.9 | 69.9 | 69.9 | 70.3 |
| 11000 | 11000 | 45.4                       | 67.7 | 69.3 | 70.4 | 71.3 | 71.5 | 71.9 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.8 | 72.8 | 72.8 | 73.3 |
| 12000 | 12000 | 45.9                       | 68.7 | 70.3 | 71.6 | 72.7 | 73.0 | 73.5 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.5 | 74.5 | 74.5 | 74.9 |
| 13000 | 13000 | 46.7                       | 70.2 | 72.3 | 73.6 | 74.7 | 74.9 | 75.6 | 76.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.6 | 76.6 | 76.6 | 77.0 |
| 14000 | 14000 | 47.9                       | 73.1 | 75.3 | 76.9 | 78.0 | 78.3 | 79.0 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 80.0 | 80.0 | 80.0 | 80.6 |
| 15000 | 15000 | 48.1                       | 73.7 | 76.2 | 78.1 | 79.2 | 79.5 | 80.2 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.2 | 81.2 | 81.2 | 81.8 |
| 16000 | 16000 | 48.7                       | 75.3 | 78.4 | 80.4 | 81.5 | 81.7 | 82.5 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 84.1 |
| 17000 | 17000 | 49.8                       | 76.3 | 79.4 | 81.6 | 82.9 | 83.1 | 83.9 | 84.5 | 84.5 | 84.7 | 84.7 | 84.7 | 85.0 | 85.0 | 85.0 | 85.6 |
| 18000 | 18000 | 49.7                       | 76.8 | 80.5 | 82.7 | 84.2 | 84.4 | 85.3 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.4 | 86.4 | 86.4 | 87.0 |
| 19000 | 19000 | 49.7                       | 77.2 | 81.0 | 83.3 | 85.1 | 85.3 | 86.2 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.3 | 87.3 | 87.3 | 87.9 |
| 20000 | 20000 | 49.7                       | 77.5 | 81.6 | 84.2 | 86.3 | 86.6 | 87.5 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.6 | 88.6 | 88.6 | 89.2 |
| 21000 | 21000 | 49.7                       | 77.7 | 81.9 | 84.5 | 86.8 | 87.3 | 88.2 | 88.9 | 88.9 | 89.7 | 89.7 | 89.7 | 90.1 | 90.1 | 90.1 | 90.6 |
| 22000 | 22000 | 49.7                       | 78.1 | 82.6 | 85.5 | 87.7 | 88.6 | 89.6 | 90.3 | 90.3 | 91.2 | 91.2 | 91.2 | 91.5 | 91.5 | 91.5 | 92.1 |
| 23000 | 23000 | 49.7                       | 78.3 | 82.7 | 85.8 | 88.0 | 88.9 | 90.0 | 90.6 | 90.6 | 91.6 | 91.6 | 91.6 | 91.9 | 91.9 | 91.9 | 92.5 |
| 24000 | 24000 | 49.0                       | 79.4 | 82.9 | 86.0 | 88.2 | 89.1 | 90.6 | 91.3 | 91.3 | 92.3 | 92.3 | 92.3 | 92.6 | 92.6 | 92.6 | 93.2 |
| 25000 | 25000 | 49.0                       | 79.4 | 82.9 | 86.3 | 88.5 | 89.4 | 91.1 | 91.7 | 91.7 | 92.7 | 92.7 | 92.7 | 93.0 | 93.0 | 93.0 | 93.6 |
| 26000 | 26000 | 49.7                       | 78.7 | 83.2 | 86.8 | 89.1 | 90.0 | 92.1 | 92.7 | 92.7 | 93.7 | 93.7 | 93.7 | 94.0 | 94.0 | 94.0 | 94.6 |
| 27000 | 27000 | 49.7                       | 78.8 | 83.4 | 87.0 | 89.3 | 90.3 | 92.4 | 93.0 | 93.0 | 94.2 | 94.2 | 94.2 | 94.6 | 94.6 | 94.6 | 95.4 |
| 28000 | 28000 | 49.7                       | 78.8 | 83.4 | 87.0 | 89.4 | 90.4 | 92.5 | 93.5 | 93.5 | 94.7 | 94.7 | 94.7 | 95.1 | 95.1 | 95.1 | 95.9 |
| 29000 | 29000 | 49.7                       | 78.8 | 83.4 | 87.0 | 89.4 | 90.4 | 92.6 | 93.6 | 93.6 | 95.1 | 95.1 | 95.1 | 95.7 | 95.7 | 95.7 | 96.6 |
| 30000 | 30000 | 49.7                       | 78.8 | 83.4 | 87.0 | 89.5 | 90.5 | 92.8 | 93.8 | 93.8 | 95.4 | 95.4 | 95.4 | 96.1 | 96.1 | 96.1 | 97.6 |
| 31000 | 31000 | 49.0                       | 78.8 | 83.4 | 87.0 | 89.5 | 90.5 | 92.8 | 93.8 | 93.8 | 95.7 | 95.7 | 95.7 | 96.7 | 96.7 | 96.7 | 98.5 |
| 32000 | 32000 | 49.7                       | 78.6 | 83.4 | 87.0 | 89.5 | 90.5 | 92.8 | 93.8 | 93.8 | 95.8 | 95.8 | 95.8 | 96.8 | 96.8 | 96.8 | 98.2 |

TOTAL NUMBER OF OBSERVATIONS 906

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

774057 PHILLIPS/ABERDEEN, MD

47-56

DEC

### PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

| VISIBILITY |      | CEILING |      |      |      |      |      |      |      |      |      |      |      |      |      |       |    |     |     |     |     |
|------------|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|----|-----|-----|-----|-----|
|            |      | 20      | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90    | 95 | 100 | 105 | 110 | 115 |
| 0-1/4      | 32.3 | 42.7    | 43.9 | 45.1 | 45.7 | 45.8 | 46.5 | 46.7 | 46.7 | 46.8 | 46.9 | 46.9 | 47.1 | 47.2 | 47.2 | 47.4  |    |     |     |     |     |
| 1/4-1/2    | 30.1 | 45.1    | 42.4 | 50.9 | 51.6 | 51.8 | 52.6 | 52.7 | 52.7 | 53.0 | 53.0 | 53.0 | 53.3 | 53.3 | 53.4 | 53.4  |    |     |     |     |     |
| 1/2-3/4    | 36.1 | 48.6    | 50.0 | 51.4 | 52.7 | 52.4 | 53.1 | 53.3 | 53.7 | 53.5 | 53.6 | 53.6 | 53.8 | 53.9 | 54.0 | 54.0  |    |     |     |     |     |
| 3/4-1      | 37.0 | 50.4    | 51.7 | 53.2 | 54.0 | 54.2 | 55.0 | 55.2 | 55.7 | 55.4 | 55.5 | 55.5 | 55.7 | 55.8 | 55.8 | 56.0  |    |     |     |     |     |
| 1-2        | 40.2 | 56.8    | 54.5 | 60.2 | 61.1 | 61.4 | 62.3 | 62.6 | 62.6 | 62.9 | 63.0 | 63.0 | 63.3 | 63.4 | 63.5 | 63.7  |    |     |     |     |     |
| 2-3        | 40.6 | 57.6    | 59.3 | 61.1 | 62.1 | 62.3 | 63.3 | 63.6 | 63.6 | 63.9 | 64.0 | 64.0 | 64.2 | 64.4 | 64.4 | 64.7  |    |     |     |     |     |
| 3-4        | 41.6 | 59.6    | 61.6 | 63.6 | 64.6 | 65.0 | 66.1 | 66.4 | 66.4 | 66.8 | 66.9 | 66.9 | 67.2 | 67.3 | 67.4 | 67.6  |    |     |     |     |     |
| 4-5        | 42.4 | 61.6    | 63.1 | 65.2 | 66.3 | 66.6 | 67.9 | 68.2 | 68.2 | 68.7 | 68.8 | 68.8 | 69.1 | 69.2 | 69.3 | 69.5  |    |     |     |     |     |
| 5-6        | 43.0 | 63.1    | 65.3 | 67.4 | 68.7 | 69.1 | 70.3 | 70.7 | 70.7 | 71.1 | 71.0 | 71.2 | 71.5 | 71.5 | 71.7 | 71.9  |    |     |     |     |     |
| 6-7        | 44.4 | 64.5    | 66.9 | 69.2 | 70.4 | 71.0 | 72.3 | 72.6 | 72.6 | 73.1 | 73.2 | 73.2 | 73.6 | 73.6 | 73.7 | 73.9  |    |     |     |     |     |
| 7-8        | 45.1 | 65.6    | 68.0 | 70.5 | 71.9 | 72.4 | 73.8 | 74.1 | 74.1 | 74.6 | 74.7 | 74.7 | 75.1 | 75.1 | 75.2 | 75.4  |    |     |     |     |     |
| 8-9        | 46.5 | 68.1    | 70.7 | 73.4 | 74.8 | 75.4 | 76.9 | 77.3 | 77.3 | 77.8 | 77.9 | 77.9 | 78.3 | 78.4 | 78.4 | 78.7  |    |     |     |     |     |
| 9-10       | 47.3 | 69.4    | 72.1 | 75.0 | 76.6 | 77.2 | 79.7 | 79.1 | 79.1 | 79.6 | 79.8 | 79.8 | 80.2 | 80.3 | 80.3 | 80.5  |    |     |     |     |     |
| 10-11      | 48.1 | 71.0    | 74.0 | 77.1 | 79.7 | 79.3 | 81.0 | 81.4 | 81.4 | 82.0 | 82.2 | 82.2 | 82.6 | 82.6 | 82.7 | 82.9  |    |     |     |     |     |
| 11-12      | 48.9 | 72.5    | 75.6 | 78.6 | 81.5 | 81.2 | 82.9 | 83.3 | 83.4 | 84.1 | 84.0 | 84.2 | 84.6 | 84.7 | 84.7 | 84.9  |    |     |     |     |     |
| 12-13      | 48.9 | 73.4    | 76.7 | 80.0 | 81.7 | 82.4 | 84.2 | 84.7 | 84.7 | 85.4 | 85.5 | 85.5 | 86.0 | 86.0 | 86.1 | 86.3  |    |     |     |     |     |
| 13-14      | 49.0 | 74.3    | 77.7 | 81.3 | 83.3 | 84.1 | 86.0 | 86.6 | 86.6 | 87.4 | 87.6 | 87.6 | 88.0 | 88.1 | 88.1 | 88.4  |    |     |     |     |     |
| 14-15      | 49.1 | 74.7    | 78.1 | 81.9 | 84.0 | 84.8 | 86.9 | 87.5 | 87.5 | 88.4 | 88.7 | 88.7 | 89.1 | 89.2 | 89.3 | 89.5  |    |     |     |     |     |
| 15-16      | 49.1 | 74.9    | 78.6 | 82.5 | 84.6 | 85.8 | 88.0 | 88.7 | 88.8 | 89.8 | 90.0 | 90.0 | 90.5 | 90.6 | 90.7 | 90.9  |    |     |     |     |     |
| 16-17      | 49.1 | 75.1    | 78.9 | 82.9 | 85.2 | 86.3 | 88.6 | 89.3 | 89.4 | 90.5 | 90.7 | 90.7 | 91.2 | 91.3 | 91.4 | 91.6  |    |     |     |     |     |
| 17-18      | 49.2 | 75.3    | 79.1 | 83.2 | 85.7 | 86.9 | 89.4 | 90.2 | 90.3 | 91.3 | 91.6 | 91.6 | 92.1 | 92.2 | 92.3 | 92.5  |    |     |     |     |     |
| 18-19      | 49.2 | 75.4    | 79.0 | 83.5 | 86.1 | 87.4 | 90.0 | 90.9 | 90.9 | 92.0 | 92.3 | 92.3 | 92.9 | 93.0 | 93.1 | 93.3  |    |     |     |     |     |
| 19-20      | 49.2 | 75.6    | 79.5 | 83.9 | 86.6 | 88.0 | 90.8 | 91.7 | 91.8 | 93.0 | 93.3 | 93.3 | 94.0 | 94.0 | 94.2 | 94.5  |    |     |     |     |     |
| 20-21      | 49.2 | 75.6    | 79.5 | 83.9 | 86.8 | 88.3 | 91.3 | 92.3 | 92.4 | 93.7 | 94.0 | 94.1 | 94.7 | 94.8 | 95.1 | 95.4  |    |     |     |     |     |
| 21-22      | 49.2 | 75.7    | 79.7 | 84.1 | 87.1 | 88.6 | 91.7 | 92.9 | 93.0 | 94.4 | 94.7 | 94.8 | 95.5 | 95.6 | 95.9 | 96.2  |    |     |     |     |     |
| 22-23      | 49.2 | 75.7    | 79.7 | 84.1 | 87.1 | 88.7 | 91.9 | 93.1 | 93.3 | 94.9 | 95.4 | 95.4 | 96.2 | 96.3 | 96.7 | 97.1  |    |     |     |     |     |
| 23-24      | 49.2 | 75.7    | 79.7 | 84.1 | 87.1 | 88.7 | 92.0 | 93.2 | 93.4 | 95.2 | 95.6 | 95.8 | 96.7 | 96.9 | 97.4 | 97.8  |    |     |     |     |     |
| 24-25      | 49.2 | 75.7    | 79.7 | 84.1 | 87.1 | 88.7 | 92.0 | 93.2 | 93.4 | 95.3 | 96.0 | 96.0 | 97.1 | 97.3 | 97.9 | 98.8  |    |     |     |     |     |
| 25-26      | 49.2 | 75.7    | 79.7 | 84.1 | 87.1 | 88.7 | 92.0 | 93.2 | 93.4 | 95.4 | 96.1 | 96.1 | 97.2 | 97.4 | 98.1 | 100.0 |    |     |     |     |     |

TOTAL NUMBER OF OBSERVATIONS 7248

ALL LEATHER SERVICE / MAC

## CEILING VERSUS VISIBILITY

## MINIATURE

47-57

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS.

— 444 —

..S.B.. : S.A. : e M.ES

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 37.3 | 45.2 | 44.7 | 48.0 | 44.8 | 49.0 | 49.5 | 49.7 | 49.7 | 50.0 | 50.1 | 50.1 | 50.2 | 50.2 | 50.3 | 50.6 |
| 37.2 | 50.5 | 52.2 | 53.6 | 54.4 | 54.7 | 55.2 | 55.4 | 55.5 | 55.7 | 55.8 | 56.1 | 56.2 | 56.2 | 56.3 | 56.6 |
| 37.4 | 51.0 | 52.6 | 54.1 | 54.9 | 55.1 | 55.7 | 55.9 | 56.0 | 56.2 | 56.3 | 56.3 | 56.5 | 56.5 | 56.6 | 56.8 |
| 37.6 | 51.2 | 52.8 | 54.4 | 55.2 | 55.5 | 56.0 | 56.2 | 56.3 | 56.5 | 56.6 | 56.6 | 56.8 | 56.8 | 56.9 | 57.1 |
| 38.5 | 52.6 | 54.4 | 55.9 | 56.7 | 56.9 | 57.5 | 57.7 | 57.8 | 58.0 | 58.1 | 58.1 | 58.3 | 58.3 | 58.4 | 58.6 |
| 40.2 | 52.4 | 57.2 | 58.8 | 59.7 | 60.0 | 62.6 | 60.9 | 60.9 | 61.2 | 61.3 | 61.3 | 61.5 | 61.5 | 61.6 | 61.8 |
| 42.1 | 59.1 | 61.1 | 62.9 | 63.8 | 64.1 | 64.7 | 65.0 | 65.1 | 65.4 | 65.5 | 65.5 | 65.7 | 65.7 | 65.8 | 66.0 |
| 42.4 | 60.1 | 62.2 | 64.0 | 65.0 | 65.3 | 65.9 | 66.2 | 66.2 | 66.5 | 66.6 | 66.7 | 66.9 | 66.9 | 67.0 | 67.1 |
| 43.7 | 62.4 | 64.7 | 66.6 | 67.7 | 68.0 | 68.7 | 69.0 | 69.0 | 69.4 | 69.5 | 69.5 | 69.7 | 69.7 | 69.9 | 70.0 |
| 44.4 | 64.2 | 66.5 | 68.5 | 69.6 | 70.0 | 72.7 | 71.6 | 71.7 | 71.4 | 71.5 | 71.5 | 71.7 | 71.8 | 71.8 | 72.0 |
| 45.4 | 66.1 | 69.5 | 70.6 | 71.8 | 72.1 | 72.9 | 73.2 | 73.2 | 73.6 | 73.7 | 73.7 | 73.9 | 74.0 | 74.1 | 74.3 |
| 46.1 | 67.7 | 72.3 | 72.5 | 73.7 | 74.1 | 74.8 | 75.2 | 75.2 | 75.6 | 75.7 | 75.7 | 75.9 | 76.0 | 76.1 | 76.3 |
| 47.5 | 63.9 | 71.5 | 73.7 | 74.9 | 75.4 | 76.1 | 76.5 | 76.5 | 76.9 | 77.0 | 77.0 | 77.2 | 77.2 | 77.4 | 77.6 |
| 48.8 | 71.1 | 73.9 | 76.3 | 77.6 | 78.1 | 79.9 | 79.3 | 79.3 | 79.7 | 79.8 | 79.8 | 80.1 | 80.1 | 80.2 | 80.4 |
| 49.5 | 72.4 | 75.7 | 77.7 | 79.1 | 79.6 | 80.4 | 80.8 | 80.9 | 81.3 | 81.4 | 81.4 | 81.6 | 81.7 | 81.9 | 82.0 |
| 50.4 | 74.2 | 77.3 | 79.9 | 81.4 | 81.9 | 82.8 | 83.2 | 83.2 | 83.7 | 83.8 | 83.8 | 84.1 | 84.1 | 84.2 | 84.4 |
| 50.9 | 75.5 | 78.9 | 81.5 | 83.1 | 83.6 | 84.8 | 85.1 | 85.1 | 85.5 | 85.7 | 85.7 | 85.9 | 86.0 | 86.1 | 86.3 |
| 51.3 | 76.7 | 80.1 | 83.4 | 84.7 | 85.3 | 86.4 | 86.8 | 86.8 | 87.3 | 87.5 | 87.5 | 87.7 | 87.8 | 87.9 | 88.1 |
| 51.4 | 76.9 | 80.4 | 83.3 | 85.1 | 85.6 | 86.7 | 87.2 | 87.3 | 87.7 | 87.9 | 87.9 | 88.1 | 88.2 | 88.3 | 88.5 |
| 51.6 | 77.7 | 81.3 | 84.4 | 86.4 | 87.0 | 88.1 | 88.6 | 88.7 | 89.2 | 89.4 | 89.4 | 89.6 | 89.7 | 89.8 | 90.0 |
| 51.7 | 78.4 | 82.2 | 85.5 | 87.6 | 88.2 | 89.5 | 90.0 | 90.1 | 90.6 | 90.8 | 90.8 | 91.1 | 91.1 | 91.2 | 91.4 |
| 51.8 | 78.9 | 82.9 | 86.4 | 88.7 | 89.5 | 90.9 | 91.5 | 91.6 | 92.2 | 92.4 | 92.4 | 92.8 | 92.8 | 92.9 | 93.1 |
| 51.9 | 79.2 | 83.2 | 86.6 | 89.1 | 90.0 | 91.5 | 92.1 | 92.2 | 92.9 | 93.1 | 93.1 | 93.4 | 93.5 | 93.6 | 93.8 |
| 51.9 | 79.4 | 83.4 | 87.1 | 89.6 | 90.5 | 92.1 | 92.6 | 92.9 | 93.7 | 93.9 | 93.9 | 94.3 | 94.3 | 94.4 | 94.7 |
| 51.9 | 79.5 | 83.6 | 87.4 | 90.0 | 90.9 | 92.7 | 93.5 | 93.6 | 94.4 | 94.6 | 94.7 | 95.0 | 95.1 | 95.2 | 95.5 |
| 51.9 | 79.6 | 83.8 | 87.7 | 90.4 | 91.4 | 93.3 | 94.2 | 94.3 | 95.2 | 95.4 | 95.5 | 95.9 | 95.9 | 96.1 | 96.3 |
| 51.9 | 79.7 | 83.9 | 87.8 | 90.6 | 91.7 | 93.8 | 94.8 | 95.0 | 96.0 | 96.3 | 96.3 | 96.8 | 96.9 | 97.1 | 97.3 |
| 51.9 | 79.7 | 83.9 | 87.9 | 90.8 | 91.9 | 94.1 | 95.1 | 95.3 | 96.4 | 96.8 | 96.8 | 97.4 | 97.5 | 97.7 | 97.9 |
| 51.9 | 79.7 | 83.9 | 87.9 | 91.8 | 92.0 | 94.2 | 95.3 | 95.5 | 96.7 | 97.1 | 97.2 | 97.9 | 97.9 | 98.2 | 98.5 |
| 51.9 | 79.7 | 83.9 | 87.9 | 92.8 | 92.0 | 94.3 | 95.4 | 95.6 | 96.9 | 97.3 | 97.4 | 98.2 | 98.3 | 98.6 | 99.0 |
| 51.9 | 79.7 | 83.9 | 87.9 | 90.8 | 92.0 | 94.3 | 95.4 | 95.6 | 96.9 | 97.4 | 97.5 | 98.3 | 98.4 | 98.8 | 99.4 |
| 51.9 | 79.7 | 83.9 | 87.9 | 92.8 | 92.0 | 94.3 | 95.4 | 95.6 | 96.9 | 97.4 | 97.5 | 98.3 | 98.4 | 98.8 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 7256

USAF ETAC 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATION THE AMOUNT OF CLEAR, SCATTERED,  
BROKEN, OVERCAST, & OBLSCURED WERE USED AS INPUT FOR THE  
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 5/10

OVERCAST WAS CONVERTED TO 10/10

OBLSCURED WAS CONVERTED TO 10/10

## SKY COVER

4-5-7

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| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL RAY COVER |   |   |      |   |   |   |   |   |   | TOTAL<br>PERCENT | TOTAL<br>RAY COVER |      |      |
|--------|--------------|---|---|---|------|---|---|---|---|---|---|------------------|--------------------|------|------|
|        |              | 0   | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9 |                  |                    |      |      |
| JAN    | 02           | 31.0  |   |   | 2.0  |   |   |   |   |   |   | 14.0             | 48.0               | 11.0 | 9.3  |
|        | 05           | 27.7  |   |   | 11.3 |   |   |   |   |   |   | 10.7             | 50.3               | 11.3 | 9.3  |
|        | 08           | 15.3  |   |   | 1.7  |   |   |   |   |   |   | 1.6              | 50.3               | 7.0  | 50.0 |
|        | 11           | 10.5  |   |   | 17.8 |   |   |   |   |   |   | 23.0             | 41.6               | 7.6  | 50.3 |
|        | 14           | 2.1   |   |   | 18.7 |   |   |   |   |   |   | 24.1             | 47.8               | 7.6  | 50.3 |
|        | 17           | 11.1  |   |   | 23.1 |   |   |   |   |   |   | 21.0             | 43.6               | 7.0  | 50.0 |
|        | 20           | 24.4  |   |   | 16.6 |   |   |   |   |   |   | 14.2             | 44.6               | 4.8  | 50.1 |
|        | 23           | 27.0  |   |   | 13.7 |   |   |   |   |   |   | 12.7             | 46.6               | 4.8  | 50.0 |
| TOTALS |              | 17.6  |   |   | 16.4 |   |   |   |   |   |   | 16.6             | 47.4               | 6.7  | 72.2 |

## SKY COVER

42-57

— 4 —

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

| MONTH  |      | PERCENTAGE FREQUENCY OF TONNAGE OF TOTAL SHIP QUOTED |      |   |   |   |   |   |    |      |      | TOTAL         |     |
|--------|------|--|------|---|---|---|---|---|----|------|------|---------------|-----|
| 1      | 2    | 3  | 4    | 5 | 6 | 7 | 8 | 9 | 10 | 11   | 12   | 13            | 14  |
| FE     | 19.2 |  | 11.2 |   |   |   |   |   |    | 1.8  | 43.8 | 1.2           | 349 |
|        | 35   |  | 11.3 |   |   |   |   |   |    | 1.9  | 42.1 | 1.8           | 349 |
|        | 19.7 |  | 21.4 |   |   |   |   |   |    | 18.8 | 42.1 | 1.3           | 349 |
|        | 18.7 |  | 23.4 |   |   |   |   |   |    | 11.1 | 42.0 | 2.8           | 349 |
|        | 13.1 |  | 22.7 |   |   |   |   |   |    | 25.4 | 43.8 | 7.0           | 349 |
|        | 15.3 |  | 23.3 |   |   |   |   |   |    | 25.4 | 37.7 | 8.5           | 349 |
|        | 23.4 |  | 21.8 |   |   |   |   |   |    | 11.5 | 37.2 | 5.7           | 349 |
|        | 37.1 |  | 13.6 |   |   |   |   |   |    | 13.4 | 33.6 | 5.7           | 349 |
| TOTALS |      |  |      |   |   |   |   |   |    |      |      |               |     |
|        |      | 17.8   |      |   |   |   |   |   |    |      |      | 16.4 43.1 1.2 |     |

AL CLIMATELOGY BRANCH  
 TAC  
 WEATHER SERVICE / MAC

# SKY COVER

45-57 PHILLIPS/ABERDEEN MD 45-57 112

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS.

| MONTH  | HOURS | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |      |      | MEAN<br>PERCENTAGE | TOTAL<br>OCCURRENCE |
|--------|-------|---|---|---|------|---|---|---|---|------|------|--------------------|---------------------|
|        |       | 0   | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8    | 9    |                    |                     |
| 4-8    | 34.1  |   |   |   | 17.3 |   |   |   |   | 16.8 | 41.6 | 5.4                | 93.0                |
| 9-13   | 36.7  |   |   |   | 12.8 |   |   |   |   | 2.7  | 40.9 | 5.3                | 93.0                |
| 14-18  | 23.1  |   |   |   | 22.6 |   |   |   |   | 15.6 | 41.1 | 4.2                | 93.0                |
| 19-23  | 16.3  |   |   |   | 21.9 |   |   |   |   | 19.7 | 42.0 | 4.6                | 93.0                |
| 24-28  | 14.4  |   |   |   | 12.4 |   |   |   |   | 22.7 | 39.2 | 6.0                | 93.0                |
| 29-31  | 15.6  |   |   |   | 20.5 |   |   |   |   | 24.5 | 39.4 | 6.8                | 93.0                |
| 1-5    | 24.7  |   |   |   | 22.0 |   |   |   |   | 15.1 | 38.2 | 5.6                | 93.0                |
| 6-10   | 37.3  |   |   |   | 12.6 |   |   |   |   | 9.0  | 41.1 | 5.3                | 93.0                |
| TOTALS |       | 2.5   |   |   | 17.8 |   |   |   |   | 16.4 | 40.4 | 6.0                | 744.0               |

## SKY COVER

ME-57

~~APR~~

| MONTH  | HOURS<br>LAST | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OBS. |     |      |
|--------|---------------|---|---|---|------|---|---|---|---|---|--------------------------------|-------------------|-----|------|
|        |               | 0   | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 |                                |                   | 9   | 10   |
| APR    | 00-02         | 33.3  |   |   | 15.2 |   |   |   |   |   | 12.2                           | 39.6              | 5.5 | 900  |
|        | 03-05         | 26.4  |   |   | 15.1 |   |   |   |   |   | 13.7                           | 41.8              | 6.0 | 900  |
|        | 06-08         | 18.0  |   |   | 17.0 |   |   |   |   |   | 22.7                           | 42.3              | 6.8 | 900  |
|        | 09-11         | 14.4  |   |   | 20.8 |   |   |   |   |   | 23.9                           | 40.9              | 6.9 | 900  |
|        | 12-14         | 8.7   |   |   | 24.1 |   |   |   |   |   | 27.2                           | 40.0              | 7.2 | 900  |
|        | 15-17         | 9.8   |   |   | 22.9 |   |   |   |   |   | 29.6                           | 37.8              | 7.1 | 900  |
|        | 18-20         | 15.6  |   |   | 24.3 |   |   |   |   |   | 24.2                           | 35.4              | 6.5 | 900  |
|        | 21-23         | 33.1  |   |   | 17.1 |   |   |   |   |   | 11.0                           | 38.8              | 5.4 | 900  |
| TOTALS |               | 12.9  |   |   | 14.9 |   |   |   |   |   | 20.6                           | 39.6              | 6.8 | 7200 |



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

724157  
STATIONPHILLIPS/ABERDEEN MD  
STATION NAME

48-57

PERIOD

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NUMBER<br>OF<br>HOURS |      |
|--------|-------------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|--------------------------------|------|
|        |                   | 0   | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10                             |                                |      |
| MAY    | 00-02             | 32.3  |   |   | 15.2 |   |   |   |   |   | 11.5 | 41.3                           | 5.6                            | 930  |
|        | 03-05             | 18.9  |   |   | 21.0 |   |   |   |   |   | 18.0 | 42.2                           | 6.5                            | 930  |
|        | 06-08             | 12.9  |   |   | 20.3 |   |   |   |   |   | 23.8 | 43.0                           | 7.0                            | 930  |
|        | 09-11             | 11.9  |   |   | 21.0 |   |   |   |   |   | 30.2 | 36.9                           | 7.0                            | 930  |
|        | 12-14             | 8.9   |   |   | 22.9 |   |   |   |   |   | 32.4 | 35.6                           | 7.2                            | 930  |
|        | 15-17             | 8.6   |   |   | 23.9 |   |   |   |   |   | 30.8 | 36.8                           | 7.2                            | 930  |
|        | 18-20             | 13.2  |   |   | 24.2 |   |   |   |   |   | 27.1 | 35.6                           | 6.7                            | 930  |
|        | 21-23             | 25.1  |   |   | 20.2 |   |   |   |   |   | 14.3 | 37.4                           | 5.6                            | 930  |
| TOTALS |                   | 16.9  |   |   | 21.1 |   |   |   |   |   | 23.5 | 38.6                           | 6.6                            | 7440 |

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SKY COVER

724-57      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

44-57

PERIOD

— 334 —

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|------|--------------------------------|-------------------------|
|        |                | 0   | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   |                                |                         |
| JUN    | 00-02          | 43.1  |   |   | 17.1 |   |   |   |   |   | 11.4 | 28.3 | 4.4                            | 900                     |
|        | 03-05          | 23.1  |   |   | 28.3 |   |   |   |   |   | 18.1 | 30.4 | 5.5                            | 900                     |
|        | 06-08          | 16.1  |   |   | 27.3 |   |   |   |   |   | 25.7 | 30.9 | 6.2                            | 900                     |
|        | 09-11          | 13.7  |   |   | 30.4 |   |   |   |   |   | 28.9 | 27.0 | 6.2                            | 900                     |
|        | 12-14          | 5.4   |   |   | 34.3 |   |   |   |   |   | 36.4 | 23.8 | 6.7                            | 900                     |
|        | 15-17          | 8.3   |   |   | 36.4 |   |   |   |   |   | 32.6 | 22.7 | 6.3                            | 900                     |
|        | 18-20          | 12.4  |   |   | 35.9 |   |   |   |   |   | 27.2 | 24.4 | 6.0                            | 900                     |
|        | 21-23          | 35.3  |   |   | 24.3 |   |   |   |   |   | 15.1 | 25.2 | 4.6                            | 900                     |
| TOTALS |                | 19.7  |   |   | 20.3 |   |   |   |   |   | 24.4 | 26.6 | 5.7                            | 7200                    |



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SKY COVER

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

43-57  
TIME

AUG  
YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NUMBER OF<br>OBS. |      |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|----------------------------|------|
|        |                | 0   | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    |                                |                            | 10   |
| AUG    | 00-02          | 33.0  |   |   | 23.5 |   |   |   |   |   | 15.3 | 23.2                           | 4.4                        | 930  |
|        | 03-05          | 29.8  |   |   | 24.0 |   |   |   |   |   | 18.6 | 27.6                           | 5.2                        | 930  |
|        | 06-08          | 19.0  |   |   | 25.4 |   |   |   |   |   | 24.9 | 30.6                           | 6.1                        | 930  |
|        | 09-11          | 15.3  |   |   | 27.4 |   |   |   |   |   | 30.2 | 26.6                           | 6.2                        | 930  |
|        | 12-14          | 6.3   |   |   | 36.9 |   |   |   |   |   | 35.8 | 21.0                           | 6.4                        | 930  |
|        | 15-17          | 10.8  |   |   | 36.5 |   |   |   |   |   | 32.3 | 20.5                           | 6.1                        | 930  |
|        | 18-20          | 19.5  |   |   | 31.3 |   |   |   |   |   | 26.8 | 22.5                           | 5.6                        | 930  |
|        | 21-23          | 35.3  |   |   | 26.1 |   |   |   |   |   | 15.8 | 22.2                           | 4.8                        | 930  |
| TOTALS |                | 21.8  |   |   | 28.9 |   |   |   |   |   | 25.0 | 24.3                           | 5.6                        | 7440 |

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

~~724057~~ ~~PHILLIPS/ABERDEEN MD~~  
STATION STATION NAME

~~48-57~~

~~SECRET~~

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

## SKY COVER

48-57

- DCI -

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

# SKY COVER

724-57 PHILLIPS ABERDEEN MD  
STATION STATION NAME

42-57

PERIOD

AC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN | TOTAL                     |             |
|--------|----------------|---|---|---|------|---|---|---|---|---|------|------|---------------------------|-------------|
|        |                | 0   | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10   | TENTHS OF TOTAL SKY COVER | OCCURRENCES |
| NOV    | 00-02          | 40.2  |   |   | 15.1 |   |   |   |   |   | 10.6 | 33.4 | 4.8                       | 900         |
|        | 03-05          | 37.9  |   |   | 15.7 |   |   |   |   |   | 11.2 | 35.2 | 5.0                       | 900         |
|        | 06-08          | 21.0  |   |   | 25.0 |   |   |   |   |   | 17.3 | 35.9 | 5.9                       | 900         |
|        | 09-11          | 20.2  |   |   | 22.0 |   |   |   |   |   | 21.3 | 36.4 | 6.2                       | 900         |
|        | 12-14          | 16.1  |   |   | 21.7 |   |   |   |   |   | 25.1 | 37.1 | 6.6                       | 900         |
|        | 15-17          | 15.8  |   |   | 25.0 |   |   |   |   |   | 22.4 | 35.9 | 6.4                       | 900         |
|        | 18-20          | 34.1  |   |   | 21.2 |   |   |   |   |   | 11.0 | 33.7 | 5.0                       | 898         |
|        | 21-23          | 32.5  |   |   | 17.4 |   |   |   |   |   | 11.1 | 32.0 | 4.7                       | 897         |
| TOTALS |                | 24.2  |   |   | 20.5 |   |   |   |   |   | 16.3 | 35.0 | 5.6                       | 7105        |

## SKY COVER

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

47-56

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>SKY COVER | TOTAL<br>NO. OF<br>OBS. |      |
|--------|-----------------|---|---|---|------|---|---|---|---|---|------|--------------------------------|-------------------------|------|
|        |                 | 0   | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    |                                |                         | 10   |
| DEC    | 00-02           | 36.9  |   |   | 15.3 |   |   |   |   |   | 9.1  | 38.7                           | 5.1                     | 906  |
|        | 03-05           | 34.8  |   |   | 14.2 |   |   |   |   |   | 10.5 | 40.5                           | 5.4                     | 906  |
|        | 06-08           | 19.9  |   |   | 21.7 |   |   |   |   |   | 16.2 | 40.2                           | 6.3                     | 906  |
|        | 09-11           | 16.0  |   |   | 20.2 |   |   |   |   |   | 22.5 | 40.5                           | 6.7                     | 906  |
|        | 12-14           | 13.1  |   |   | 21.6 |   |   |   |   |   | 28.0 | 37.2                           | 6.9                     | 906  |
|        | 15-17           | 15.0  |   |   | 24.6 |   |   |   |   |   | 23.2 | 37.2                           | 6.5                     | 906  |
|        | 18-20           | 30.7  |   |   | 19.1 |   |   |   |   |   | 11.6 | 38.6                           | 5.5                     | 906  |
|        | 21-23           | 34.8  |   |   | 15.2 |   |   |   |   |   | 11.1 | 38.9                           | 5.3                     | 906  |
| TOTALS |                 | 25.3  |   |   | 18.0 |   |   |   |   |   | 16.8 | 39.0                           | 6.0                     | 7248 |



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE / MAC

# SKY COVER

704057 PHILLIPS/ABERDEEN MC  
STATION STATION NAME

47-57

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>OBS | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER |   |   |      |   |   |   |   |   |      | MEAN<br>TENTHS OF<br>TOTAL SKY COVER | TOTAL<br>OBS |       |
|--------|--------------|---|---|---|------|---|---|---|---|---|------|--------------------------------------|--------------|-------|
|        |              | 0   | 1 | 2 | 3    | 4 | 5 | 6 | 7 | 8 | 9    | 10                                   |              |       |
| JAN    | ALL          | 14.6  |   |   | 16.4 |   |   |   |   |   | 16.6 | 47.4                                 | 6.7          | 7221  |
| FEB    |              | 25.5  |   |   | 17.8 |   |   |   |   |   | 16.4 | 40.3                                 | 6.0          | 6791  |
| MAR    |              | 25.5  |   |   | 17.8 |   |   |   |   |   | 16.4 | 41.4                                 | 6.0          | 7440  |
| APR    |              | 19.9  |   |   | 19.9 |   |   |   |   |   | 25.6 | 39.6                                 | 6.4          | 7200  |
| MAY    |              | 16.6  |   |   | 21.1 |   |   |   |   |   | 23.5 | 34.6                                 | 6.6          | 7440  |
| JUN    |              | 19.7  |   |   | 20.3 |   |   |   |   |   | 24.4 | 26.6                                 | 5.7          | 7200  |
| JUL    |              | 17.8  |   |   | 30.8 |   |   |   |   |   | 29.9 | 21.5                                 | 5.8          | 7440  |
| AUG    |              | 21.7  |   |   | 28.9 |   |   |   |   |   | 25.0 | 24.3                                 | 5.6          | 7440  |
| SEP    |              | 27.1  |   |   | 23.3 |   |   |   |   |   | 20.9 | 26.8                                 | 5.5          | 7200  |
| OCT    |              | 32.6  |   |   | 21.0 |   |   |   |   |   | 16.1 | 30.4                                 | 5.1          | 7440  |
| NOV    |              | 28.2  |   |   | 20.5 |   |   |   |   |   | 16.3 | 35.0                                 | 5.6          | 7185  |
| DEC    |              | 25.3  |   |   | 19.6 |   |   |   |   |   | 16.6 | 39.0                                 | 6.0          | 7245  |
| TOTALS |              | 23.3  |   |   | 22.2 |   |   |   |   |   | 20.2 | 34.3                                 | 5.9          | 67556 |

USAFETAC

FORM 0 9.5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1940. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 724057 PHILLIPS/ABERDEEN MD  
 STATION

36-57

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM DAILY OBSERVATIONS

| TEMP °F | JAN   | FEB   | MAR    | APR    | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|---------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 100     |       |       |        |        |       | .3    | .3    | .3    |       |       |       |       | .3     |
| 95      |       |       |        |        | .3    | 1.7   | 7.3   | 3.1   | 1.7   | .1    |       |       | 1.1    |
| 90      |       |       |        | .3     | 2.7   | 14.6  | 25.4  | 18.9  | 4.8   | .7    |       |       | 1.6    |
| 85      |       |       | .2     | 1.9    | 9.5   | 40.5  | 61.1  | 49.0  | 17.0  | 2.5   | .2    |       | 1.1    |
| 80      |       |       | 1.5    | 6.7    | 24.9  | 63.3  | 86.1  | 76.0  | 41.2  | 7.4   | .3    |       | 25.1   |
| 75      | .2    |       | 3.2    | 14.6   | 47.2  | 82.7  | 97.8  | 94.1  | 64.8  | 20.2  | 1.7   |       | 35.1   |
| 70      | .3    | .3    | 6.3    | 25.4   | 68.4  | 92.9  | 99.8  | 98.4  | 83.1  | 38.0  | 6.9   |       | 43.4   |
| 65      | 0.0   | 2.7   | 13.8   | 39.2   | 92.9  | 97.8  | 100.0 | 10.0  | 53.6  | 60.2  | 15.6  | 1.2   | 51.2   |
| 60      | 4.5   | 5.7   | 22.9   | 59.0   | 94.0  | 99.5  |       |       | 68.1  | 78.9  | 72.8  | 6.4   | 58.7   |
| 55      | 10.6  | 11.0  | 36.7   | 78.3   | 96.5  | 100.0 |       |       | 99.7  | 91.7  | 48.5  | 14.0  | 66.0   |
| 50      | 20.2  | 24.2  | 53.0   | 91.7   | 100.0 |       |       |       | 100.0 | 98.2  | 67.9  | 25.8  | 73.7   |
| 45      | 32.4  | 40.0  | 69.7   | 96.7   |       |       |       |       |       | 99.4  | 85.4  | 43.2  | 81.6   |
| 40      | 50.9  | 65.2  | 85.9   | 99.7   |       |       |       |       |       | 100.0 | 94.5  | 66.6  | 93.7   |
| 35      | 75.7  | 85.3  | 95.9   | 100.0  |       |       |       |       |       |       | 96.5  | 84.7  | 95.1   |
| 30      | 90.3  | 95.1  | 99.5   |        |       |       |       |       |       |       | 100.0 | 95.3  | 98.4   |
| 25      | 96.3  | 98.5  | 100.0  |        |       |       |       |       |       |       |       | 99.2  | 99.5   |
| 20      | 99.2  | 99.3  |        |        |       |       |       |       |       |       |       | 100.0 | 99.9   |
| 15      | 100.0 | 99.8  |        |        |       |       |       |       |       |       |       |       | 100.0  |
| 10      |       | 100.0 |        |        |       |       |       |       |       |       |       |       | 100.0  |
| 5       |       |       |        |        |       |       |       |       |       |       |       |       |        |
| 0       |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -5      |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -10     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -15     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -20     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -25     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -30     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -35     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -40     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -45     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -50     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -55     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -60     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -65     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -70     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -75     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -80     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -85     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -90     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -95     |       |       |        |        |       |       |       |       |       |       |       |       |        |
| -100    |       |       |        |        |       |       |       |       |       |       |       |       |        |
| MEAN    | 41.0  | 43.4  | 51.4   | 62.7   | 73.3  | 81.7  | 86.0  | 83.9  | 77.1  | 66.9  | 54.6  | 43.7  | 63.6   |
| TOTAL   | 9.808 | 9.321 | 11.154 | 10.313 | 8.674 | 7.603 | 5.598 | 6.135 | 7.924 | 8.882 | 9.893 | 9.126 | 18.275 |
| STATION | 642   | 592   | 651    | 630    | 651   | 630   | 645   | 641   | 622   | 673   | 650   | 643   | 7670   |

SPECIAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 704057 PHILLIPS/ABERDEEN MD  
STATION NAME

# DAILY TEMPERATURES

36-57

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM DAILY OBSERVATIONS

MINIMUM

| TEMP  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN A  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 75    |       |       |       |       |       | .6    | 3.6   | 4.1   | .8    |       |       |       | .6     |
| 70    |       |       |       |       | .5    | 11.0  | 33.5  | 22.6  | 6.1   | .6    |       |       | 6.2    |
| 65    |       |       |       |       | 4.0   | 37.8  | 64.3  | 54.6  | 22.3  | 2.5   |       |       | 15.5   |
| 60    |       |       |       | 1.0   | 18.3  | 63.0  | 86.8  | 79.3  | 42.0  | 7.0   | .0    |       | 24.8   |
| 55    |       |       | .5    | 5.7   | 43.2  | 84.4  | 98.0  | 92.5  | 62.7  | 18.3  | 3.2   |       | 34.0   |
| 50    | .6    | .2    | 2.9   | 15.1  | 66.7  | 96.0  | 99.8  | 99.2  | 81.3  | 37.9  | 8.0   | .2    | 42.7   |
| 45    | 1.2   | .8    | 8.1   | 35.9  | 85.4  | 99.7  | 100.0 | 100.0 | 94.9  | 57.7  | 16.2  | 1.7   | 50.3   |
| 40    | 4.4   | 3.4   | 19.2  | 61.4  | 96.8  | 100.0 |       |       | 98.1  | 79.2  | 30.0  | 6.7   | 58.5   |
| 35    | 16.0  | 15.7  | 39.9  | 84.4  | 99.4  |       |       |       | 99.8  | 92.0  | 52.9  | 21.0  | 63.7   |
| 30    | 23.4  | 23.1  | 50.7  | 90.2  | 99.7  |       |       |       | 100.0 | 94.7  | 61.4  | 28.6  | 72.9   |
| 25    | 37.9  | 39.7  | 66.7  | 96.0  | 100.0 |       |       |       |       | 99.0  | 76.8  | 44.9  | 80.3   |
| 20    | 60.1  | 66.6  | 85.9  | 99.5  |       |       |       |       |       | 99.9  | 92.3  | 66.3  | 89.3   |
| 15    | 77.3  | 82.9  | 95.5  | 100.0 |       |       |       |       |       | 100.0 | 98.3  | 82.4  | 94.8   |
| 10    | 87.2  | 92.6  | 98.9  |       |       |       |       |       |       |       | 100.0 | 93.9  | 97.6   |
| 5     | 96.0  | 97.6  | 99.8  |       |       |       |       |       |       |       |       | 97.7  | 99.3   |
| 0     | 98.6  | 99.7  | 100.0 |       |       |       |       |       |       |       |       | 99.8  | 99.8   |
| -5    | 99.5  | 100.0 |       |       |       |       |       |       |       |       |       | 100.0 | 100.0  |
| -10   | 100.0 |       |       |       |       |       |       |       |       |       |       |       | 100.0  |
| MEAN  | 25.9  | 26.8  | 32.8  | 42.1  | 52.6  | 61.5  | 66.2  | 64.6  | 57.4  | 46.6  | 35.8  | 27.6  | 45.0   |
| STD   | 9.077 | 7.879 | 8.025 | 7.447 | 7.293 | 6.598 | 5.467 | 6.198 | 6.200 | 6.691 | 8.652 | 8.204 | 16.474 |
| TOTAL | 642   | 592   | 651   | 630   | 651   | 630   | 645   | 641   | 622   | 673   | 650   | 643   | 767    |

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 72457 PHILLIPS/ABERDEEN MD  
 STATION NAME

36-57

YEARS

# DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MEAN

| TEMP °F   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 90        |       |       |       |       |       | .2    |       |       |       |       |       |       | .6     |
| 85        |       |       |       |       |       | .8    | 4.7   | 1.2   | .6    |       |       |       | .6     |
| 80        |       |       |       |       | .5    | 11.1  | 27.8  | 20.0  | 4.5   | .6    |       |       | 5.4    |
| 75        |       |       |       |       | 4.6   | 37.3  | 64.5  | 49.8  | 16.7  | 1.9   |       |       | 14.6   |
| 70        |       |       |       | 2.9   | 19.8  | 62.5  | 91.2  | 79.1  | 40.0  | 4.9   |       |       | 25.0   |
| 65        |       |       | 1.2   | 8.4   | 44.1  | 83.8  | 99.2  | 96.3  | 64.0  | 15.9  | 1.5   |       | 34.5   |
| 60        |       | .2    | 3.5   | 21.1  | 66.5  | 96.7  | 100.0 | 99.8  | 84.1  | 38.8  | 5.7   |       | 43.1   |
| 55        | 1.1   | 1.2   | 9.4   | 37.0  | 86.6  | 99.7  |       | 100.0 | 95.7  | 59.4  | 14.9  | .8    | 50.6   |
| 50        | 3.6   | 4.1   | 19.5  | 61.1  | 97.4  | 100.0 |       |       | 99.0  | 81.9  | 31.7  | 4.0   | 58.8   |
| 45        | 10.4  | 11.3  | 37.8  | 83.3  | 99.7  |       |       |       | 100.0 | 94.7  | 48.5  | 15.2  | 67.0   |
| 40        | 26.5  | 27.2  | 60.5  | 95.7  | 100.0 |       |       |       |       | 99.1  | 74.2  | 32.2  | 76.6   |
| 35        | 43.5  | 54.7  | 79.4  | 99.2  |       |       |       |       |       | 99.9  | 91.2  | 56.5  | 85.6   |
| 30        | 68.4  | 77.9  | 93.9  | 100.0 |       |       |       |       |       | 100.0 | 97.7  | 77.6  | 93.1   |
| 25        | 84.9  | 91.4  | 98.3  |       |       |       |       |       |       |       | 99.8  | 90.5  | 97.1   |
| 20        | 94.1  | 97.6  | 99.8  |       |       |       |       |       |       |       | 100.0 | 97.4  | 99.1   |
| 15        | 98.0  | 99.3  | 100.0 |       |       |       |       |       |       |       |       | 99.5  | 99.7   |
| 10        | 99.8  | 100.0 |       |       |       |       |       |       |       |       |       | 100.0 | 100.0  |
| 5         | 100.0 |       |       |       |       |       |       |       |       |       |       |       | 100.0  |
| MEAN      | 33.5  | 35.2  | 42.2  | 52.4  | 63.0  | 71.6  | 76.2  | 74.3  | 67.3  | 56.8  | 45.3  | 35.7  | 54.5   |
| S.D.      | 8.931 | 7.976 | 8.875 | 8.167 | 7.200 | 6.488 | 4.856 | 5.421 | 7.436 | 7.971 | 8.557 | 8.124 | 17.325 |
| TOTAL OBS | 642   | 592   | 651   | 630   | 651   | 630   | 645   | 641   | 622   | 673   | 650   | 643   | 7670   |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

724057 STATION PHILLIPS/ABERDEEN MD STATION NAME 36-57 YEARS

WOLF DEGREES FAHRENHEIT

| MONTH<br>YEAR | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ALL<br>MONTHS |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| 36            |       |       |       |       |       |       |       |       |       | 79    | 74    | 60    |               |
| 37            | 70    | 56    | 60    | 84    | 90    | 92    | 96    | 92    | 91    | 79    | 66    | 52    | 95            |
| 38            | 59    | 68    | 78    | 85    | 83    | 90    | 94    | 95    | 85    | 83    | 75    | 57    | 95            |
| 39            | 59    | 71    | 84    | 86    | 91    | 95    | 91    | 94    | 97    | 88    | 71    | 61    | 97            |
| 40            | 56    | 54    | 67    | 76    | 87    | 89    | 99    | 90    | 90    | 78    | 74    | 59    | 99            |
| 41            | 53    | 53    | 59    | 91    | 95    | 93    | 100   | 94    | 94    | 95    | 72    | 62    | 100           |
| 42            | 63    | 54    | 72    | 92    | 95    | 93    | 97    | 92    | 92    | 80    | 78    | 53    | 97            |
| 43            | 62    | 67    | 81    | 79    | 88    | 94    | 93    | 94    | 91    | 81    | 70    | 62    | 94            |
| 44            | 66    | 63    | 66    | 78    | 89    | 93    | 97    | 97    | 90    | 84    | 71    | 54    | 97            |
| 45            | 54    | 55    | 87    | 84    | 85    | 98    | 97    | 93    | 88    | 78    | 75    | 55    | 98            |
| 46            | 61*   | 70    | 77    | 80    | 85    | 91    | 93    | 90    | 91    | 85    | 75    | 65    | 93            |
| 47            | 67    | 50    | 63    | 82    | 85    | 90*   | 95*   | 95*   | 89*   | 87*   | 71*   | 56    | 95            |
| 48            | 53    | 65    | 84    | 77    | 86    | 93    | 91    | 99    | 89    | 80    | 78    | 63    | 99            |
| 49            | 58    | 74    | 79    | 81    | 87    | 92    | 98    | 97    | 86    | 83    | 74    | 62    | 98            |
| 50            | 75    | 52    | 72    | 78    | 83    | 93    | 92    | 91    | 89    | 85    | 85    | 65    | 93            |
| 51            | 65    | 66    | 66    | 82    | 89    | 90    | 93    | 93    | 91    | 90    | 69    | 68    | 93            |
| 52            | 59    | 54    | 74    | 83    | 84    | 100   | 98    | 91    | 94    | 81    | 67    | 62    | 100           |
| 53            | 65    | 68    | 67    | 83    | 88    | 92    | 98    | 102   | 98    | 80    | 75    | 64    | 102           |
| 54            | 66    | 73    | 70    | 81    | 83    | 98    | 101   | 93    | 95    | 87    | 64    | 61    | 101           |
| 55            | 61    | 62    | 75    | 78    | 90    | 89    | 99    | 101   | 86    | 82    | 77    | 61    | 101           |
| 56            | 51    | 59    | 67    | 83    | 91    | 96    | 94    | 91    | 91    | 77    | 69    | 66    | 96            |
| 57            | 60    | 62    | 70    | 88    | 87    | 96    | 99    | 94    | 92    | 75    | 69    |       |               |
| MEAN          | 61.4  | 61.3  | 72.3  | 82.4  | 87.7  | 93.4  | 96.0  | 94.2  | 91.0  | 82.4  | 72.8  | 61.1  | 97.5          |
| SD            | 5.762 | 7.505 | 7.951 | 4.319 | 3.526 | 3.159 | 3.112 | 3.453 | 3.449 | 4.759 | 4.795 | 3.932 | 2.787         |
| TOTAL OBS     | 642   | 592   | 651   | 630   | 651   | 630   | 645   | 641   | 622   | 673   | 650   | 643   | 7670          |

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

\* AT LEAST ONE DAY LESS THAN 24 OBS

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

724257 PHILLIPS/ABERDEEN MO  
STATION STATION NAME

36-57

YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH<br>YEAR | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ALL<br>MONTHS |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| 36            |       |       |       |       |       |       |       |       |       | 24    | 15    | 15    |               |
| 37            | 24    | 20    | 20    | 30    | 38    | 55    | 56    | 61    | 44    | 29    | 23    | 14    | 14            |
| 38            | 14    | 19    | 13    | 31    | 42    | 46    | 59    | 57    | 46    | 36    | 16    | 17    | 13            |
| 39            | 11    | 14    | 20    | 28    | 38    | 58    | 55    | 61    | 53    | 29    | 27    | 14    | 11            |
| 40            | 2     | 14    | 16    | 24    | 39    | 48    | 53    | 56    | 36    | 30    | 25    | 15    | 2             |
| 41            | 15    | 17    | 15    | 32    | 39    | 50    | 60    | 49    | 45    | 31    | 26    | 17    | 15            |
| 42            | -2    | 9     | 28    | 31    | 45    | 53    | 60    | 51    | 42    | 30    | 23    | 0     | -2            |
| 43            | 15    | 5     | 9     | 22    | 36    | 56    | 52    | 55    | 41    | 35    | 23    | 8     | 5             |
| 44            | 8     | 12    | 16    | 27    | 43    | 45    | 53    | 49    | 44    | 28    | 23    | 7     | 7             |
| 45            | 5     | 9     | 28    | 32    | 38    | 44    | 51    | 49    | 50    | 30    | 23    | 6     | 5             |
| 46            | 9*    | 12    | 24    | 28    | 40    | 48    | 53    | 49    | 45    | 37    | 25    | 13    | 9             |
| 47            | 9     | 6     | 14    | 28    | 31    | 45*   | 55*   | 57*   | 34*   | 37*   | 19*   | 14    | 6             |
| 48            | *     | 0     | 11    | 29    | 36    | 45    | 53    | 55    | 43    | 28    | 28    | 7     | 0             |
| 49            | 19    | 11    | 19    | 29    | 40    | 46    | 58    | 51    | 39    | 32    | 20    | 15    | 11            |
| 50            | 13    | 11    | 13    | 24    | 35    | 46    | 55    | 52    | 38    | 30    | 20    | 7     | 7             |
| 51            | 12    | 10    | 23    | 33    | 35    | 50    | 57    | 51    | 35    | 38    | 17    | 8     | 8             |
| 52            | 10    | 18    | 14    | 30    | 40    | 50    | 49    | 50    | 44    | 26    | 22    | 16    | 10            |
| 53            | 23    | 18    | 20    | 32    | 45    | 48    | 56    | 53    | 42    | 33    | 29    | 16    | 16            |
| 54            | 5     | 8     | 23    | 28    | 39    | 49    | 57    | 54    | 46    | 34    | 25    | 17    | 5             |
| 55            | 9     | 2     | 21    | 33    | 42    | 52    | 64    | 59    | 48    | 36    | 15    | 10    | 2             |
| 56            | 16    | 17    | 20    | 27    | 35    | 51    | 54    | 54    | 37    | 37    | 18    | 18    | 16            |
| 57            | -9    | 20    | 21    | 30    | 35    | 50    | 54    | 51    | 37    | 31    | 21    |       |               |
| MEAN          | 10.9  | 12.0  | 18.5  | 29.0  | 38.6  | 49.3  | 55.5  | 53.4  | 42.6  | 31.6  | 21.8  | 12.0  | 8.5           |
| S.D.          | 7.583 | 5.965 | 5.221 | 3.008 | 3.570 | 3.875 | 3.561 | 3.883 | 4.477 | 3.853 | 3.851 | 4.974 | 5.340         |
| TOTAL OBS     | 642   | 592   | 651   | 630   | 651   | 630   | 644   | 641   | 622   | 673   | 650   | 643   | 7670          |

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

# AT LEAST ONE DAY LESS THAN 24 OBS



## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

48-57

— 42 —

PAGE 1 ~~0000-0200~~

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 73

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HOURS S. T. I.

48-57

YEARS

JAN  
MON

PAGE 2 0000-0200  
HOURS S. T. I.

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

48-57

Y E A R S

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MON     

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HOURS S T

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## PSYCHROMETRIC SUMMARY

YEARS

**JAN**

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USAFETAC FORM 0-26-3 (OL A; PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

48-57

YEARS

JAN  
MONTH

PAGE 2 0600-0800  
HOURS U. S. T.











AD-A137 577 PHILLIPS ABERDEEN MARYLAND REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBS. (U) AIR FORCE ENVIRONMENTAL  
UNCLASSIFIED TECHNICAL APPLICATIONS CENTER SCOTT A. 03 NOV 83  
USAFETAC/DS-83/047 SBI-AD-E850 500 F/G 4/2

PHILLIPS ABERDEEN MARYLAND REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. 03 NOV 83  
USAFETAC/DS-83/047 SBI-AD-E850 500 F/G 4/2

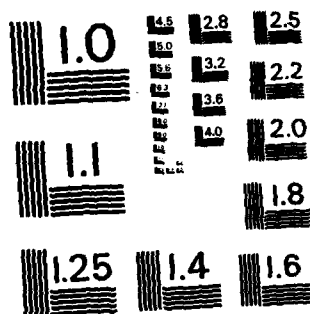
4/5

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F/G 4/2

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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724057 PHILLIPS/ABERDEEN MD

98-57

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        | TOTAL<br>D.B. W.B. | TOTAL    |          |           |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|--------------------|----------|----------|-----------|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22  | 23-24  | 25-26  | 27-28  | 29-30  | ≥ 31               | Dry Bulb | Wet Bulb | Dew Point |
| 74/ 73       |                                     |     |     | .1  |     |      |       |       |          |       |                                    |        |        |        |        |        | 1                  | 1        |          |           |
| 72/ 71       |                                     |     |     |     | .2  |      |       |       |          |       |                                    |        |        |        |        |        | 1                  | 1        |          |           |
| 68/ 67       |                                     |     | .2  |     |     |      |       |       |          |       |                                    |        |        |        |        |        | 2                  | 2        | 1        |           |
| 66/ 65       |                                     | .1  | .1  | .2  | .1  | .2   | .1    |       |          |       |                                    |        |        |        |        |        | 8                  | 8        | 1        | 1         |
| 64/ 63       |                                     |     | .4  | .1  | .1  |      |       |       |          |       |                                    |        |        |        |        |        | 6                  | 6        | 3        |           |
| 62/ 61       |                                     | .2  | .2  | .1  |     |      |       |       |          |       |                                    |        |        |        |        |        | 6                  | 6        | 2        | 2         |
| 60/ 59       |                                     |     | .2  | .2  |     | .1   | .1    |       |          |       |                                    |        |        |        |        |        | 6                  | 6        | 9        | 3         |
| 58/ 57       |                                     | .2  | .1  | .1  | .2  |      | .2    |       |          |       |                                    |        |        |        |        |        | 10                 | 10       | 3        | 6         |
| 56/ 55       |                                     | .2  | .6  | .1  | .2  | .2   |       | .1    |          |       |                                    |        |        |        |        |        | 13                 | 13       | 10       | 6         |
| 54/ 53       | .3                                  | .4  | 1.0 | 1.0 | .1  | .2   | .1    | .1    |          |       |                                    |        |        |        |        |        | 30                 | 30       | 9        | 7         |
| 52/ 51       | .2                                  | .4  | .6  | .3  | .4  | .2   | .3    |       |          |       |                                    |        |        |        |        |        | 25                 | 25       | 17       | 12        |
| 50/ 49       | .3                                  | .3  | .6  | .9  | .9  |      | .2    | .1    |          |       |                                    |        |        |        |        |        | 30                 | 30       | 22       | 15        |
| 48/ 47       | .1                                  | 1.0 | 1.0 | 1.0 | .2  | .6   |       |       |          |       |                                    |        |        |        |        |        | 37                 | 37       | 24       | 12        |
| 46/ 45       | .4                                  | .9  | 1.2 | 1.1 | .7  |      | .1    |       |          |       |                                    |        |        |        |        |        | 40                 | 40       | 30       | 19        |
| 44/ 43       | .2                                  | 1.8 | 1.1 | 1.1 | .7  | .1   | .1    |       |          |       |                                    |        |        |        |        |        | 46                 | 46       | 30       | 22        |
| 42/ 41       | .4                                  | 1.3 | 3.2 | 2.3 | 1.1 | .2   |       |       |          |       |                                    |        |        |        |        |        | 77                 | 77       | 57       | 30        |
| 40/ 39       | .6                                  | 1.2 | 3.0 | 2.1 | 1.1 |      |       |       |          |       |                                    |        |        |        |        |        | 74                 | 74       | 51       | 36        |
| 38/ 37       | .8                                  | 2.7 | 3.6 | 3.0 | 1.1 |      |       |       |          |       |                                    |        |        |        |        |        | 102                | 102      | 71       | 28        |
| 36/ 35       | 1.8                                 | 2.7 | 3.9 | 2.7 | .7  | .1   |       |       |          |       |                                    |        |        |        |        |        | 106                | 106      | 103      | 61        |
| 34/ 33       | 2.0                                 | 3.0 | 3.7 | 2.0 | .4  |      |       |       |          |       |                                    |        |        |        |        |        | 100                | 100      | 118      | 73        |
| 32/ 31       | .4                                  | 1.4 | 2.3 | 1.0 | .1  |      |       |       |          |       |                                    |        |        |        |        |        | 48                 | 48       | 91       | 52        |
| 30/ 29       | .2                                  | .9  | 1.3 | .9  | .1  |      |       |       |          |       |                                    |        |        |        |        |        | 39                 | 39       | 75       | 71        |
| 28/ 27       | .3                                  | .4  | 2.1 | .2  |     |      |       |       |          |       |                                    |        |        |        |        |        | 28                 | 28       | 53       | 65        |
| 26/ 25       |                                     | .3  | 1.7 | .4  |     |      |       |       |          |       |                                    |        |        |        |        |        | 22                 | 22       | 28       | 60        |
| 24/ 23       |                                     |     | 1.4 | .6  |     |      |       |       |          |       |                                    |        |        |        |        |        | 18                 | 18       | 30       | 58        |
| 22/ 21       |                                     | .7  | 1.1 | .1  |     |      |       |       |          |       |                                    |        |        |        |        |        | 17                 | 17       | 18       | 51        |
| 20/ 19       |                                     | .4  | .2  | .1  |     |      |       |       |          |       |                                    |        |        |        |        |        | 7                  | 7        | 26       | 40        |
| 18/ 17       |                                     |     | .2  |     |     |      |       |       |          |       |                                    |        |        |        |        |        | 2                  | 2        | 13       | 30        |
| 16/ 15       | .1                                  | .2  | .3  |     |     |      |       |       |          |       |                                    |        |        |        |        |        | 6                  | 6        | 5        | 34        |
| 14/ 13       |                                     |     | .1  |     |     |      |       |       |          |       |                                    |        |        |        |        |        | 1                  | 1        | 4        | 25        |
| 12/ 11       |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          | 2        | 23        |
| 10/ 9        |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          | 1        | 13        |
| 8/ 7         |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          | 15        |
| 6/ 5         |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          | 12        |
| Element (X)  | Σ x'                                |     | Σ x |     | Σ   |      | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        | Total              |          |          |           |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |                    |          |          |           |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |
| Dew Point    |                                     |     |     |     |     |      |       |       |          |       |                                    |        |        |        |        |        |                    |          |          |           |

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

48-57

YEARS

JAN  
MONTH

PAGE 2 1500-1700  
HOURS U. S. T. I

[illegible]

## PSYCHROMETRIC SUMMARY

48-57

YEARS

**MONTH**

PAGE 1 ~~1800-2000~~  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

JAN  
MONTH



## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

48-57

YEARS

**JAN**  
**MONEY**

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

JAN  
MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

**48-57**

YEARS

**PAGE 2**



HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

48-57

FEB  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

|               |                             |
|---------------|-----------------------------|
| <u>724057</u> | <u>PHILLIPS/ABERDEEN MD</u> |
| STATION       | STATION NAME                |

48-57

**YEARS**

**FEB**  
MONTH

PAGE 2 0000-0200  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

46-57

FEB

PAGE 1 0300-0500  
HOURS 11, 5, 7, 1

[illegible]

9477 54321

48-57

FEB

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

[illegible]



## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

48-57

FFB

PAGE 1 0600-0800  
HOURS : L. S. T.

[illegible]

9477 54321

PAGE 2

FEB  
MONTH

0600-0800  
HOURS S. T. 1

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

98-57

YEARS

**FEA**

PAGE 1 0900-1100  
HOURS (L. S. Y.)

[illegible]

## PSYCHROMETRIC SUMMARY

48-57

**FREE**  
MONTH

PAGE ? 0900-1100  
HOURS 11. 5. 7.1

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |   |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|---|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | +31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |   |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 0/-1         |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           | 7 |  |  |  |  |  |  |  |  |  |       |  |       |  |
| -2/-3        |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           | 6 |  |  |  |  |  |  |  |  |  |       |  |       |  |
| -4/-5        |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           | 4 |  |  |  |  |  |  |  |  |  |       |  |       |  |
| -6/-7        |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           | 3 |  |  |  |  |  |  |  |  |  |       |  |       |  |
| -16/-17      |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           | 2 |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | 12.9                                | 27.9 | 26.0 | 20.5 | 8.2 | 4.2  | .4    |       |       |       |       |       |       |       |       |       |     | 843       | 849      |          | 843       |   |  |  |  |  |  |  |  |  |  |       |  |       |  |

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



9477 54321

**FEB**  
MONTH

PAGE 2 1200-1400  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57

**FEB**  
**MONIN**

PAGE 1 1500-1700  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

98-57

EEB

PAGE 1 ~~1800-2000~~  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     |     |     |     |     |      |       | .1    |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     | .1  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     |     |     | .1  | .2  |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        | 1        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       | .2                                  | .1  | .1  |     | .2  |      |       |       |       |       |       |       |       |       |       |       |      | 6         | 6        | 2        | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       |                                     | .4  | .1  | .1  |     | .1   | .1    | .1    |       |       |       |       |       |       |       |       |      | 8         | 8        | 1        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       | .2                                  | .2  | .1  |     | .1  | .2   | .1    |       |       |       |       |       |       |       |       |       |      | 9         | 9        | 3        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       | .1                                  | .5  |     | .1  | .2  | .2   |       |       |       |       |       |       |       |       |       |       |      | 10        | 10       | 7        | 6         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       | .4                                  | .6  | .2  | .2  | .2  | .2   | .1    |       |       |       |       |       |       |       |       |       |      | 17        | 17       | 12       | 7         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       | .2                                  | .4  | .4  | .4  | .4  | .5   |       |       |       |       |       |       |       |       |       |       |      | 23        | 23       | 4        | 11        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 48/ 47       | .5                                  | 1.2 | .7  | .9  | .5  | .1   |       |       |       |       |       |       |       |       |       |       |      | 33        | 33       | 14       | 9         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 46/ 45       | .7                                  | 1.5 | 1.7 | 1.5 | .8  |      |       |       |       |       |       |       |       |       |       |       |      | 53        | 53       | 34       | 12        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 43       | .2                                  | 2.0 | 1.6 | 2.2 | .6  | .1   |       |       |       |       |       |       |       |       |       |       |      | 61        | 61       | 36       | 16        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 42/ 41       | 1.4                                 | 2.2 | 2.2 | 3.0 | .9  | .1   |       |       |       |       |       |       |       |       |       |       |      | 84        | 84       | 63       | 42        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 39       | 1.5                                 | 1.7 | 2.6 | 1.4 | .7  | .5   |       |       |       |       |       |       |       |       |       |       |      | 71        | 71       | 68       | 33        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 38/ 37       | 1.5                                 | 2.5 | 3.2 | 2.5 | .6  |      |       |       |       |       |       |       |       |       |       |       |      | 89        | 90       | 78       | 60        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 36/ 35       | 1.1                                 | 3.7 | 3.0 | 2.1 | .9  | .1   |       |       |       |       |       |       |       |       |       |       |      | 92        | 94       | 78       | 39        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 33       | 1.7                                 | 3.9 | 2.5 | 1.5 | .2  |      |       |       |       |       |       |       |       |       |       |       |      | 83        | 83       | 105      | 55        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 31       | 1.3                                 | 1.9 | 2.0 | 1.3 |     |      |       |       |       |       |       |       |       |       |       |       |      | 55        | 55       | 93       | 83        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 29       | 1.2                                 | 2.0 | 1.4 | .6  |     |      |       |       |       |       |       |       |       |       |       |       |      | 44        | 44       | 65       | 71        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 28/ 27       | .2                                  | 1.4 | 1.5 | .2  | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 30        | 30       | 63       | 77        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 26/ 25       | .5                                  | 1.1 | .5  | .1  | .1  |      |       |       |       |       |       |       |       |       |       |       |      | 19        | 19       | 29       | 52        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 24/ 23       | .4                                  | .8  | .5  | .1  |     |      |       |       |       |       |       |       |       |       |       |       |      | 15        | 15       | 28       | 54        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 22/ 21       |                                     | .4  | .4  | .2  |     |      |       |       |       |       |       |       |       |       |       |       |      | 8         | 8        | 11       | 30        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 20/ 19       |                                     | .4  | .7  | .1  |     |      |       |       |       |       |       |       |       |       |       |       |      | 10        | 10       | 12       | 37        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 18/ 17       |                                     | .6  | .1  |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 6         | 6        | 5        | 25        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 16/ 15       |                                     | .1  | .9  |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 9         | 9        | 12       | 37        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 14/ 13       |                                     | .1  | .2  |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 3         | 3        | 6        | 25        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 11       |                                     | .2  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 2         | 2        | 8        | 12        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 9        |                                     | .1  |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      | 1         | 1        | 1        | 5         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 7         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          | 1        | 11        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 5         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 7         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 3         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/ 1         |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |      |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

## PSYCHROMETRIC SUMMARY

|               |                             |
|---------------|-----------------------------|
| <u>724057</u> | <u>PHILLIPS/ABERDEEN MD</u> |
| STATION       | STATION NAME                |

48-57

**FREE**

PAGE 2 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57

FEB  
MAY 1961

PAGE 1 2100-2300  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

48-57

FFB

PAGE 2 2100-2300  
HOURS L. S. T.

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
11 JUN 71

## PSYCHROMETRIC SUMMARY

|               |                             |
|---------------|-----------------------------|
| <u>724057</u> | <u>PHILLIPS/ABERDEEN MD</u> |
| STATION       | STATION NAME                |

48-57

FFB

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## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

46-57

YEARS

MAR  
MIN

PAGE 1 0000-0200  
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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

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## PSYCHROMETRIC SUMMARY

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PAGE 2 0000-0200  
HOURS L. S. T. I

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USAFETAC FORM 0-26-3 (OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724057 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

98-57

YEARS

MAR  
MONTH

PAGE 1 0300-0500  
HOURS L. S. T.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      |           |          |          |           |  |       |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|--|------|-----------|----------|----------|-----------|--|-------|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18          | 19-20 | 21-22 | 23-24    | 25-26 | 27-28 | 29-30  | ≥ 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     | .2  | .1  |     |     |      |       |       |       |                |       |       |          |       |       |  |      | 3         | 3        |          |           |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     |     | .2  |     |     |      |       |       |       |                |       |       |          |       |       |  |      | 2         | 2        | 3        |           |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     | .1  |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      | 1         | 1        | 1        | 3         |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       |                                     | .6  |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      | 6         | 6        | 3        | 2         |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       | .1                                  | .8  | .1  |     |     |      |       |       |       |                |       |       |          |       |       |  |      | 9         | 9        | 10       | 8         |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       | .5                                  | .4  | .4  |     | .2  |      |       |       |       |                |       |       |          |       |       |  |      | 15        | 15       | 10       | 12        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     | .5  | .2  | .2  |     |      |       |       |       |                |       |       |          |       |       |  |      | 9         | 9        | 5        | 3         |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       | .9                                  | 1.0 | .6  | .2  |     |      |       |       |       |                |       |       |          |       |       |  |      | 25        | 25       | 16       | 16        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       | .5                                  | 1.0 | .1  |     | .1  |      |       |       |       |                |       |       |          |       |       |  |      | 16        | 16       | 20       | 15        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 48/ 47       | .2                                  | 1.0 | .5  | .3  | .2  |      |       |       |       |                |       |       |          |       |       |  |      | 21        | 21       | 19       | 10        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 46/ 45       | .9                                  | 2.2 | 1.4 | .5  |     |      |       |       |       |                |       |       |          |       |       |  |      | 46        | 46       | 24       | 22        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 43       | .8                                  | 1.6 | 1.0 | .3  |     |      |       |       |       |                |       |       |          |       |       |  |      | 32        | 32       | 31       | 25        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 42/ 41       | 2.3                                 | 3.1 | 2.5 | 1.4 |     |      |       |       |       |                |       |       |          |       |       |  |      | 86        | 86       | 62       | 45        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 39       | 2.9                                 | 2.2 | 2.6 | .3  | .3  |      |       |       |       |                |       |       |          |       |       |  |      | 77        | 77       | 66       | 50        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 38/ 37       | 2.7                                 | 3.0 | 2.4 | .9  | .1  |      |       |       |       |                |       |       |          |       |       |  |      | 84        | 84       | 73       | 51        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 36/ 35       | 1.5                                 | 3.8 | 2.8 | 1.6 | .4  |      |       |       |       |                |       |       |          |       |       |  |      | 94        | 94       | 74       | 54        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 33       | 1.8                                 | 5.1 | 2.6 | .9  | .1  |      |       |       |       |                |       |       |          |       |       |  |      | 97        | 97       | 91       | 49        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 31       | .9                                  | 2.2 | 3.2 | .5  | .1  |      |       |       |       |                |       |       |          |       |       |  |      | 64        | 64       | 82       | 92        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 29       | .6                                  | 3.0 | 2.8 | .6  |     |      |       |       |       |                |       |       |          |       |       |  |      | 66        | 66       | 76       | 63        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 28/ 27       | .2                                  | 1.2 | 2.4 | 1.0 |     |      |       |       |       |                |       |       |          |       |       |  |      | 44        | 44       | 64       | 46        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 26/ 25       | .3                                  | 1.8 | 2.5 | .3  |     |      |       |       |       |                |       |       |          |       |       |  |      | 46        | 46       | 46       | 51        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 24/ 23       | .8                                  | 1.8 | 1.9 |     |     |      |       |       |       |                |       |       |          |       |       |  |      | 42        | 42       | 64       | 45        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 22/ 21       | .3                                  | 1.8 |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      | 20        | 20       | 37       | 53        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 20/ 19       | .1                                  | 1.0 | .3  |     |     |      |       |       |       |                |       |       |          |       |       |  |      | 13        | 13       | 34       | 43        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 18/ 17       |                                     | .1  | .3  |     |     |      |       |       |       |                |       |       |          |       |       |  |      | 4         | 4        | 6        | 33        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 16/ 15       | .2                                  | .1  | .2  |     |     |      |       |       |       |                |       |       |          |       |       |  |      | 5         | 5        | 4        | 27        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 14/ 13       |                                     |     | .3  |     |     |      |       |       |       |                |       |       |          |       |       |  |      | 3         | 3        | 5        | 35        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 11       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      |           |          | 3        | 26        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 9        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      |           |          | 1        | 16        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 7         |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      |           |          |          | 16        |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 5         |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      |           |          |          | 7         |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 3         |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      |           |          |          | 3         |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/ 1         |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      |           |          |          | 1         |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| -2/ -3       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      |           |          |          | 2         |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| Element (X)  | Σ X <sup>1</sup>                    |     |     | Σ X |     |      | X     |       |       | σ <sub>n</sub> |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature                 |      |           |          |          |           |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       | ≤ 0 F   ≤ 32 F   ≥ 67 F   ≥ 73 F   ≥ 80 F   ≥ 93 F |      |           |          |          |           |  | Total |  |  |  |  |  |  |  |  |       |  |       |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      |           |          |          |           |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      |           |          |          |           |  |       |  |  |  |  |  |  |  |  |       |  |       |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |  |      |           |          |          |           |  |       |  |  |  |  |  |  |  |  |       |  |       |  |

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

48-57

**MAR**  
1971

PAGE 2 0300-0500  
HOURS S. T. J.

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## PSYCHROMETRIC SUMMARY

48-57

YEARS

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MON 14

PAGE 1 0600-0800

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|-------|---------|-------|---------|-------|---------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24   | 25-26 | 27-28   | 29-30 | 31      | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     | .2  | .1  |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 3         | 3        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     | .1  |     |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 1         | 1        | 2        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     | .4  | .2  | .1  |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 7         | 7        | 3        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       |                                     | .4  | .2  |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 6         | 6        | 5        | 8         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       | .2                                  | .4  | .3  | .1  |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 10        | 10       | 10       | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       | .1                                  | .6  | .1  | .2  |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 10        | 10       | 8        | 6         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       | .2                                  | .6  | .2  | .1  | .1  | .1   |       |       |          |       |                                    |       |         |       |         |       |         | 13        | 13       | 9        | 14        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       | 1.0                                 | 1.3 | .5  |     |     | .1   |       |       |          |       |                                    |       |         |       |         |       |         | 27        | 27       | 17       | 17        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       | .4                                  | 1.4 | .4  | .4  | .1  |      |       |       |          |       |                                    |       |         |       |         |       |         | 26        | 26       | 23       | 12        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 48/ 47       | .2                                  | 1.3 | .4  | .8  | .2  |      |       |       |          |       |                                    |       |         |       |         |       |         | 27        | 27       | 18       | 14        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 46/ 45       | 1.0                                 | 1.9 | 1.0 | 1.0 |     | .2   |       |       |          |       |                                    |       |         |       |         |       |         | 47        | 47       | 29       | 28        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 43       | 1.0                                 | 1.3 | 1.2 | 1.3 |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 48        | 48       | 39       | 33        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 42/ 41       | 1.6                                 | 3.2 | 3.5 | .9  | .1  |      |       |       |          |       |                                    |       |         |       |         |       |         | 87        | 87       | 58       | 27        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 39       | 2.9                                 | 2.3 | 2.7 | .9  | .3  | .2   |       |       |          |       |                                    |       |         |       |         |       |         | 86        | 86       | 78       | 60        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 38/ 37       | 1.8                                 | 3.3 | 2.0 | .6  | .2  |      |       |       |          |       |                                    |       |         |       |         |       |         | 75        | 75       | 78       | 48        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 36/ 35       | 1.7                                 | 3.5 | 3.4 | 1.4 | .9  |      |       |       |          |       |                                    |       |         |       |         |       |         | 102       | 102      | 87       | 57        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 33       | 1.5                                 | 4.4 | 2.8 | .9  | .4  |      |       |       |          |       |                                    |       |         |       |         |       |         | 90        | 90       | 77       | 56        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 31       | 1.7                                 | 2.0 | 2.4 | .8  | .2  |      |       |       |          |       |                                    |       |         |       |         |       |         | 66        | 66       | 90       | 98        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 29       | .4                                  | 1.7 | 1.7 | 1.2 |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 47        | 47       | 64       | 75        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 28/ 27       | .3                                  | 2.3 | 2.4 | .3  |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 49        | 49       | 56       | 48        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 26/ 25       | .3                                  | 1.3 | 2.4 | .4  |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 41        | 41       | 54       | 39        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 24/ 23       | .2                                  | 1.3 | 1.2 | .1  |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 26        | 26       | 43       | 47        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 22/ 21       | .6                                  | .9  | .2  |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 16        | 16       | 37       | 39        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 20/ 19       | .1                                  | 1.0 | .1  |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 11        | 11       | 22       | 35        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 18/ 17       |                                     | .2  | .3  |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 5         | 5        | 11       | 41        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 16/ 15       |                                     |     | .2  |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 2         | 2        | 2        | 22        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 14/ 13       | .1                                  | .1  | .3  |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 5         | 5        | 3        | 31        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 11       |                                     | .1  |     |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         | 1         | 1        | 5        | 25        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 9        |                                     |     |     |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         |           |          | 2        | 19        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 7         |                                     |     |     |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         |           |          |          | 16        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 5         |                                     |     |     |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         |           |          |          | 6         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 3         |                                     |     |     |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         |           |          |          | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/ 1         |                                     |     |     |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         |           |          |          | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 0/ -1        |                                     |     |     |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         |           |          |          | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Element (X)  | Σ X'                                |     | Σ X |     | Σ   |      | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |       |         |       |         |       |         |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |          |       | ≤ 32 F                             |       | 32-67 F |       | 67-73 F |       | 73-80 F |           | 80-93 F  |          | Total     |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |          |       |                                    |       |         |       |         |       |         |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

5477 54321

48-57

MAF

MOULS S T

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
11 JUN 71

947, 94321

48-57

YEARS

MAR 1970

HOUS 5.7

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

|               |                             |
|---------------|-----------------------------|
| <u>724057</u> | <u>PHILLIPS/ABERDEEN MD</u> |
| STATION       | STATION NAME                |

48-57

MAR  
MAY

PAGE 2      0900-1100  
MOJRS .. S. T.

[illegible]

## PSYCHROMETRIC SUMMARY

48-57

MAR  
MAR 1961

PAGE 1 1200-1400  
HOURS S T I

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|------------|-----|------|-----------|------------|----------|-------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6        | 7-8 | 9-10 | 11-12     | 13-14      | 15-16    | 17-18 | 19-20                              | 21-22       | 23-24       | 25-26       | 27-28       | 29-30       | 31    | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 84/ 83       |                                     |     |     |            |     | .1   |           |            |          |       |                                    |             |             |             |             |             |       | 1         | 1        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 82/ 81       |                                     |     |     | .1         |     | .1   |           |            |          |       |                                    |             |             |             |             |             |       | 2         | 2        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 80/ 79       |                                     |     |     | .1         | .1  |      |           |            |          |       |                                    |             |             |             |             |             |       | 2         | 2        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 78/ 77       |                                     |     | .1  |            |     | .1   | .2        |            |          |       |                                    |             |             |             |             |             |       | 4         | 4        |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76/ 75       |                                     |     |     | .1         |     | .3   |           |            |          |       |                                    |             |             |             |             |             |       | 4         | 4        | 2        |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       |                                     |     | .1  |            | .1  | .1   |           |            | .1       | .1    |                                    |             |             |             |             |             |       | 5         | 5        | 2        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 71       |                                     |     |     | .1         |     | .1   |           |            |          | .2    |                                    |             |             |             |             |             |       | 4         | 4        | 3        | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 69       |                                     |     |     | .3         | .3  | .3   |           |            |          |       |                                    |             |             |             |             |             |       | 9         | 9        | 2        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 67       |                                     |     | .3  | .3         | .4  | .2   |           |            | .2       |       |                                    |             |             |             |             |             |       | 14        | 14       | 1        | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     | .1  | .1  | .2         | .5  | .4   | .2        |            | .2       |       |                                    |             |             |             |             |             |       | 17        | 17       | 7        | 1         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     | .6  | .4  | .1         | .4  | .4   |           | .4         | .1       |       |                                    |             |             |             |             |             |       | 24        | 25       | 10       | 2         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     | .4  | .1  | .6         | .3  | .4   | .9        | .5         | .1       |       |                                    |             |             |             |             |             |       | 32        | 33       | 17       | 12        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       |                                     |     | .2  | .4         | .5  | .5   | 1.1       | .4         | .2       |       |                                    |             |             |             |             |             |       | 32        | 32       | 14       | 14        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       |                                     | .3  | .6  | .3         | 1.0 | 1.3  | 1.2       | .8         |          |       |                                    |             |             |             |             |             |       | 51        | 52       | 11       | 13        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       |                                     | .9  | .5  | .6         | .6  | 1.6  | 1.1       | .3         |          |       |                                    |             |             |             |             |             |       | 53        | 53       | 21       | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       | .1                                  | .9  | 1.0 | .5         | .9  | 1.3  | 1.7       | .2         |          |       |                                    |             |             |             |             |             |       | 61        | 61       | 30       | 17        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       | .5                                  | .3  | .2  | .9         | 1.0 | 1.2  | 1.2       | .3         |          |       |                                    |             |             |             |             |             |       | 52        | 52       | 32       | 30        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       | .5                                  | .9  | .3  | 1.3        | 1.1 | 1.7  | .9        | .1         |          |       |                                    |             |             |             |             |             |       | 63        | 63       | 56       | 26        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 48/ 47       | .2                                  | 1.0 | 1.4 | 1.5        | 1.3 | 1.1  | .6        |            |          |       |                                    |             |             |             |             |             |       | 66        | 66       | 51       | 22        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 46/ 45       | .6                                  | 1.2 | 1.3 | 1.8        | 1.0 | 1.1  |           |            |          |       |                                    |             |             |             |             |             |       | 65        | 65       | 82       | 28        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 43       | .3                                  | 1.8 | .9  | 1.4        | 1.8 | .5   | .4        |            |          |       |                                    |             |             |             |             |             |       | 67        | 67       | 70       | 31        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 42/ 41       | 1.5                                 | 1.5 | 1.0 | .6         | .9  | .4   | .1        |            |          |       |                                    |             |             |             |             |             |       | 56        | 56       | 103      | 45        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 39       | 1.0                                 | 1.4 | 1.7 | 1.0        | 1.4 | .5   |           |            |          |       |                                    |             |             |             |             |             |       | 65        | 65       | 82       | 51        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 38/ 37       | .4                                  | 1.1 | 1.4 | 1.7        | 1.2 | .4   |           |            |          |       |                                    |             |             |             |             |             |       | 58        | 58       | 71       | 68        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 36/ 35       | 1.1                                 | .4  | 1.8 | 1.7        | .5  | .1   |           |            |          |       |                                    |             |             |             |             |             |       | 53        | 53       | 65       | 63        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 33       | .6                                  | .8  | .5  | .2         | .1  |      |           |            |          |       |                                    |             |             |             |             |             |       | 21        | 21       | 53       | 65        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 31       | .2                                  | .4  | 1.1 | .1         | .3  |      |           |            |          |       |                                    |             |             |             |             |             |       | 20        | 20       | 61       | 63        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 29       | .5                                  | .5  | .1  | .1         |     |      |           |            |          |       |                                    |             |             |             |             |             |       | 12        | 12       | 43       | 65        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 28/ 27       |                                     | .1  | .3  | .4         |     |      |           |            |          |       |                                    |             |             |             |             |             |       | 8         | 8        | 18       | 43        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 26/ 25       |                                     |     | .3  |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       | 3         | 3        | 5        | 54        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 24/ 23       |                                     |     |     | .2         |     |      |           |            |          |       |                                    |             |             |             |             |             |       | 2         | 2        | 7        | 50        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 22/ 21       |                                     |     | .1  |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       | 1         | 1        | 5        | 35        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 20/ 19       |                                     |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |           |          | 1        | 31        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 18/ 17       |                                     |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |           |          | 2        | 21        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Element (X)  | $\Sigma x^2$                        |     |     | $\Sigma x$ |     |      | $\bar{x}$ | $\sigma_x$ | No. Obs. |       | Mean No. of Hours with Temperature |             |             |             |             |             |       |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Rel. Hum.    |                                     |     |     |            |     |      |           |            |          |       | $\leq 0$ F                         | $\leq 32$ F | $\leq 67$ F | $\leq 73$ F | $\leq 80$ F | $\leq 93$ F | Total |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dry Bulb     |                                     |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Wet Bulb     |                                     |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dew Point    |                                     |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 2 1200-1400  
HOURS L. S. T.

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

## MAP

1500-1700  
H. 65 6 7

[illegible]

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724057 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

48-57

YEARS

MAR

PAGE 1 1800-2000  
HOURS

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        | TOTAL |    | TOTAL |     |    |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|----|-----------|----------|----------|-----------|--|--|--|--|------------------------------------|--------|--------|--------|--------|--------|-------|----|-------|-----|----|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30          | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |                                    |        |        |        |        |        |       |    |       |     |    |
| 76/ 75       |                                     |     |     |     | .1  |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 1  | 1     |     |    |
| 74/ 73       |                                     |     |     | .1  |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 1  | 1     |     |    |
| 72/ 71       |                                     |     | .2  |     | .3  |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 5  | 5     |     |    |
| 70/ 69       |                                     |     | .1  | .1  | .1  | .1   |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 4  | 4     | 1   |    |
| 68/ 67       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       |    |       | 3   |    |
| 66/ 65       |                                     |     | .1  | .1  |     | .1   |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 3  | 3     | 3   | 4  |
| 64/ 63       |                                     |     | .2  | .3  |     | .2   |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 7  | 7     | 2   | 1  |
| 62/ 61       |                                     | .1  | .2  | .4  | .4  | .3   |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 14 | 14    | 3   | 2  |
| 60/ 59       | .2                                  | .9  | 1.0 | .6  | .5  | .8   | .1    |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 38 | 38    | 9   | 6  |
| 58/ 57       | .1                                  | .8  | 1.0 | .2  | .2  | .5   | .2    | .2    |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 30 | 30    | 21  | 12 |
| 56/ 55       |                                     | .6  | .5  | .8  | .8  | .5   | .2    |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 32 | 32    | 20  | 10 |
| 54/ 53       | .2                                  | .4  | 1.1 | .3  | .9  | .2   | .9    |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 37 | 37    | 26  | 18 |
| 52/ 51       | .6                                  | .2  | .4  | .8  | 1.4 | .4   | .2    |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 38 | 38    | 26  | 26 |
| 50/ 49       | .2                                  | .4  | 1.0 | 1.4 | 1.3 | 1.1  |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 50 | 50    | 25  | 11 |
| 48/ 47       | .4                                  | 1.2 | .8  | 2.3 | 1.5 | 1.3  | .2    |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 71 | 71    | 37  | 27 |
| 46/ 45       | .3                                  | 1.3 | 1.6 | 2.6 | 1.0 | .8   |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 70 | 70    | 46  | 24 |
| 44/ 43       | .3                                  | 1.9 | 1.4 | 2.7 | 1.5 | .3   |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 76 | 76    | 60  | 25 |
| 42/ 41       | 1.5                                 | 2.4 | 2.8 | 1.7 | .9  | .2   |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 88 | 88    | 94  | 44 |
| 40/ 39       | 1.9                                 | 1.8 | 2.2 | 2.4 | .8  | .5   | .1    |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 90 | 90    | 108 | 67 |
| 38/ 37       | 1.6                                 | 1.8 | 1.0 | 1.7 | .4  | .1   |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 62 | 62    | 100 | 62 |
| 36/ 35       | .9                                  | 1.3 | 1.7 | 2.6 | .6  |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 66 | 66    | 80  | 73 |
| 34/ 33       | .4                                  | 1.9 | 2.5 | 1.6 | .4  |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 64 | 64    | 57  | 70 |
| 32/ 31       |                                     | 1.0 | 1.2 | .4  | .5  |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 29 | 29    | 58  | 65 |
| 30/ 29       | .4                                  | .5  | 1.0 | 1.0 |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 27 | 29    | 62  | 64 |
| 28/ 27       | .1                                  | .6  | .2  | .6  |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 15 | 15    | 45  | 51 |
| 26/ 25       |                                     | .1  | .4  |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 5  | 5     | 19  | 48 |
| 24/ 23       |                                     | .1  |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 1  | 1     | 12  | 52 |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       |    |       | 7   | 48 |
| 20/ 19       |                                     |     | .3  |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 3  | 3     |     | 33 |
| 18/ 17       |                                     |     | .1  |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       | 1  | 1     | 1   | 16 |
| 16/ 15       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       |    |       | 2   | 14 |
| 14/ 13       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       |    | 1     | 1   | 13 |
| 12/ 11       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       |    |       |     | 10 |
| 10/ 9        |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       |    |       |     | 11 |
| Element (X)  | Σ x <sup>1</sup>                    |     |     |     |     | Σ x  |       |       |       |       | Σ     |       |       |       |       | Σ <sub>x</sub> |    |           |          |          | No. Obs.  |  |  |  |  | Mean No. of Hours with Temperature |        |        |        |        |        |       |    |       |     |    |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |    |       |     |    |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       |    |       |     |    |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       |    |       |     |    |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |  |  |  |  |                                    |        |        |        |        |        |       |    |       |     |    |

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USAFETAC FORM 0-26-3 (OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57  
YEARS

MAR  
MONTH

PAGE 1 2100-2100  
HOURS

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|-------|-----|------|------|----------|----------|-----------|--|--|--|------------------------------------|--|--|--|--|--------|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10       | 11-12 | 13-14 | 15-16 | 17-18 | 19-20     | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | +31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 64/ 67       |                                     |     | .1  | .1  |     |            |       |       |       |       |           |       |       |       |       |       |     | 2    | 2    |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 66/ 65       |                                     | .2  | .3  | .2  |     |            |       |       |       |       |           |       |       |       |       |       |     | 7    | 7    |          |          | 1         |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 64/ 63       |                                     |     | .2  |     |     |            |       |       |       |       |           |       |       |       |       |       |     | 2    | 2    |          |          | 2         |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 62/ 61       |                                     | .1  | .1  |     | .2  |            |       |       |       |       |           |       |       |       |       |       |     | 4    | 4    |          |          | 5         |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 60/ 59       |                                     | .3  | .1  | .2  | .3  | .2         |       |       |       |       |           |       |       |       |       |       |     | 11   | 11   |          |          | 5         |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 58/ 57       | .4                                  | 1.2 | .5  | .2  | .1  | .2         |       |       |       |       |           |       |       |       |       |       |     | 25   | 25   |          |          | 11        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 56/ 55       | .3                                  | .9  | .2  | .6  |     |            |       |       |       |       |           |       |       |       |       |       |     | 18   | 18   |          |          | 14        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 54/ 53       | .2                                  | 1.2 | 1.0 | .3  | .2  |            | .3    |       |       |       |           |       |       |       |       |       |     | 29   | 29   |          |          | 21        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 52/ 51       | .6                                  | .4  | .6  | .4  | .1  | .1         |       |       |       |       |           |       |       |       |       |       |     | 22   | 22   |          |          | 20        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 50/ 49       | .1                                  | .8  | 1.0 | .8  | .6  | .5         |       |       |       |       |           |       |       |       |       |       |     | 35   | 35   |          |          | 26        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 48/ 47       | .5                                  | 1.4 | .8  | .6  | 1.0 | .3         |       |       |       |       |           |       |       |       |       |       |     | 43   | 43   |          |          | 27        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 46/ 45       | .6                                  | .9  | 1.7 | 2.2 | .9  | .2         | .1    |       |       |       |           |       |       |       |       |       |     | 61   | 61   |          |          | 31        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 44/ 43       | .1                                  | .9  | 2.3 | 1.7 | .2  | .1         | .1    |       |       |       |           |       |       |       |       |       |     | 50   | 50   |          |          | 23        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 42/ 41       | .8                                  | 4.1 | 3.5 | 2.4 | .5  | .2         |       |       |       |       |           |       |       |       |       |       |     | 106  | 106  |          |          | 73        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 40/ 39       | 3.6                                 | 2.9 | 2.7 | 3.0 | 1.1 |            |       |       |       |       |           |       |       |       |       |       |     | 119  | 119  |          |          | 123       |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 38/ 37       | 1.6                                 | 1.7 | 2.2 | 1.8 | .4  |            |       |       |       |       |           |       |       |       |       |       |     | 72   | 72   |          |          | 93        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 36/ 35       | 2.2                                 | 3.6 | 2.7 | 1.2 | .3  |            |       |       |       |       |           |       |       |       |       |       |     | 92   | 92   |          |          | 85        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 34/ 33       | .4                                  | 1.2 | 2.8 | 1.7 | .2  |            |       |       |       |       |           |       |       |       |       |       |     | 59   | 59   |          |          | 79        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 32/ 31       | .4                                  | 2.0 | 1.6 | 1.8 | .4  |            |       |       |       |       |           |       |       |       |       |       |     | 59   | 59   |          |          | 78        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 30/ 29       |                                     | 2.2 | 1.2 | .9  |     |            |       |       |       |       |           |       |       |       |       |       |     | 39   | 39   |          |          | 53        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 28/ 27       | .1                                  | 1.8 | .9  | .8  |     |            |       |       |       |       |           |       |       |       |       |       |     | 33   | 33   |          |          | 56        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 26/ 25       | .3                                  | 1.0 | .9  | .1  |     |            |       |       |       |       |           |       |       |       |       |       |     | 21   | 22   |          |          | 43        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 24/ 23       | .1                                  | .5  | .3  | .1  |     |            |       |       |       |       |           |       |       |       |       |       |     | 10   | 10   |          |          | 33        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 22/ 21       | .1                                  |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     | 1    | 1    |          |          | 13        |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 20/ 19       |                                     | .2  |     | .1  |     |            |       |       |       |       |           |       |       |       |       |       |     | 3    | 3    |          |          | 6         |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 18/ 17       | .1                                  |     | .1  | .1  |     |            |       |       |       |       |           |       |       |       |       |       |     | 1    | 1    |          |          | 2         |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 16/ 15       |                                     |     | .1  |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          | 1         |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 14/ 13       |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          | 2         |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 12/ 11       |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          | 1         |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 10/ 9        |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 8/ 7         |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 6/ 5         |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| 4/ 3         |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| -4/ -5       |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
| Element (X)  | $\Sigma X^1$                        |     |     |     |     | $\Sigma X$ |       |       |       |       | $\bar{X}$ |       |       |       |       | $P_x$ |     |      |      |          | No. Obs. |           |  |  |  | Mean No. of Hours with Temperature |  |  |  |  |        |       |  |       |  |
| Rel. Hum.    |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  | ≤ 0 F                              |  |  |  |  | ≤ 32 F |       |  |       |  |
| Dry Bulb     |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  | ≤ 67 F                             |  |  |  |  | ≤ 73 F |       |  |       |  |
| Wet Bulb     |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  | ≤ 80 F                             |  |  |  |  | ≤ 93 F |       |  |       |  |
| Dew Point    |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  |        |       |  |       |  |
|              |                                     |     |     |     |     |            |       |       |       |       |           |       |       |       |       |       |     |      |      |          |          |           |  |  |  |                                    |  |  |  |  | </     |       |  |       |  |

## PSYCHROMETRIC SUMMARY

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GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

724057 PHILLIPS/ABERDEEN MD

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| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |     |  |  |  |                                    |        |        |        |        |        | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|----|-----------|----------|----------|-----------|-----|--|--|--|------------------------------------|--------|--------|--------|--------|--------|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30          | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |     |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 84/ 83       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 3         |          | 3        |           |     |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 82/ 81       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 2         |          | 2        |           |     |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 80/ 79       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 6         |          | 6        |           |     |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 78/ 77       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 6         |          | 6        |           |     |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 76/ 75       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 13        |          | 13       |           | 3   |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 74/ 73       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 9         |          | 9        |           | 5   |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 72/ 71       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 14        |          | 14       |           | 7   |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 70/ 69       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 27        |          | 27       |           | 5   |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 68/ 67       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 39        |          | 39       |           | 13  |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 66/ 65       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 72        |          | 72       |           | 17  |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 64/ 63       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 70        |          | 71       |           | 33  |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 62/ 61       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 109       |          | 110      |           | 48  |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 60/ 59       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 171       |          | 172      |           | 77  |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 58/ 57       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 203       |          | 204      |           | 115 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 56/ 55       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 228       |          | 228      |           | 122 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 54/ 53       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 242       |          | 242      |           | 139 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 52/ 51       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 299       |          | 300      |           | 189 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 50/ 49       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 337       |          | 337      |           | 253 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 48/ 47       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 378       |          | 378      |           | 264 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 46/ 45       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 487       |          | 487      |           | 372 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 44/ 43       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 454       |          | 454      |           | 400 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 42/ 41       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 651       |          | 651      |           | 623 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 40/ 39       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 710       |          | 710      |           | 749 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 38/ 37       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 551       |          | 551      |           | 647 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 36/ 35       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 598       |          | 598      |           | 640 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 34/ 33       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 488       |          | 488      |           | 581 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 32/ 31       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 349       |          | 349      |           | 529 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 30/ 29       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 293       |          | 295      |           | 454 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 209       |          | 211      |           | 359 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 163       |          | 164      |           | 257 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 117       |          | 117      |           | 227 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 54        |          | 56       |           | 145 |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 20/ 19       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 37        |          | 37       |           | 77  |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| 18/ 17       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    | 17        |          | 17       |           | 33  |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| Element (X)  | Σ x <sup>2</sup>                    |     |     |     |     | Σ x  |       |       |       |       | Σ     |       |       |       |       | Σ <sup>2</sup> |    |           |          |          | No. Obs.  |     |  |  |  | Mean No. of Hours with Temperature |        |        |        |        |        |       |  |       |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |     |  |  |  | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |  |       |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |     |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |     |  |  |  |                                    |        |        |        |        |        |       |  |       |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |           |          |          |           |     |  |  |  |                                    |        |        |        |        |        |       |  |       |  |

## PSYCHROMETRIC SUMMARY

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| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | +31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 16/ 15       | .3                                  | .0   | .1   |      |     |      |       |       |       |       |       |       |       |       |       |       |     | 11        | 11       | 16       | 171       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 14/ 13       | .0                                  | .0   | .1   |      |     |      |       |       |       |       |       |       |       |       |       |       |     | 10        | 10       | 14       | 167       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 11       |                                     | .0   |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     | 1         | 1        | 10       | 133       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 9        |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          | 5        | 99        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 7         |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 77        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 5         |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 35        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 3         |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 19        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/ 1         |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 10        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 0/ -1        |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 11        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| -2/ -3       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 8         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| -4/ -5       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 8         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| -6/ -7       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| -8/ -9       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 5         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| -10/ -11     |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          | 4         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | 12.3                                | 26.7 | 24.2 | 17.3 | 9.6 | 5.6  | 3.3   | 1.0   | .2    | .0    |       |       |       |       |       |       |     | 7428      | 7440     | 7428     |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     | 7428      |          | 7428     |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |     |           |          |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |



## PSYCHROMETRIC SUMMARY

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STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57

**APR**

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

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48-57

APR

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| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|-------|-----|------|-------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|----|------|------|----------|----------|-----------|--|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6   | 7-8 | 9-10 | 11-12 | 13-14          | 15-16    | 17-18                              | 19-20  | 21-22  | 23-24  | 25-26  | 27-28  | 29-30 | 31 | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 67       |                                     |      |      | .1    | .1  |      |       |                |          |                                    |        |        |        |        |        |       |    | 2    |      |          |          |           |  | 2   |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     |      | .3   | .2    | .1  |      |       |                |          |                                    |        |        |        |        |        |       |    | 6    |      |          |          |           |  | 6   |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     | .4   | .6   | .3    | .1  |      |       |                |          |                                    |        |        |        |        |        |       |    | 13   |      |          |          |           |  | 13  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     | 1.2  | .2   | .1    | .1  | .1   |       |                |          |                                    |        |        |        |        |        |       |    | 16   |      |          |          |           |  | 16  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       | .3                                  | 1.4  | .9   |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    | 24   |      |          |          |           |  | 24  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       | .4                                  | 2.8  | .4   | .6    | .3  |      | .1    |                |          |                                    |        |        |        |        |        |       |    | 42   |      |          |          |           |  | 42  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       | 1.1                                 | 2.3  | 1.3  | .6    |     | .1   | .2    |                |          |                                    |        |        |        |        |        |       |    | 51   |      |          |          |           |  | 51  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       | 1.1                                 | 3.0  | .7   | 1.1   | .2  | .1   |       |                |          |                                    |        |        |        |        |        |       |    | 56   |      |          |          |           |  | 56  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       | 1.4                                 | 2.9  | 1.6  | .9    | .4  |      |       |                |          |                                    |        |        |        |        |        |       |    | 65   |      |          |          |           |  | 65  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       | .6                                  | 4.1  | 1.9  | .7    | .2  | .3   |       |                |          |                                    |        |        |        |        |        |       |    | 70   |      |          |          |           |  | 70  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 48/ 47       | 1.1                                 | 4.6  | 1.9  | 1.1   | .3  |      |       |                |          |                                    |        |        |        |        |        |       |    | 81   |      |          |          |           |  | 81  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 46/ 45       | .7                                  | 4.8  | 2.4  | 1.6   | .2  |      |       |                |          |                                    |        |        |        |        |        |       |    | 87   |      |          |          |           |  | 87  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 43       | .3                                  | 4.2  | 2.6  | .9    |     | .1   |       |                |          |                                    |        |        |        |        |        |       |    | 73   |      |          |          |           |  | 73  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 42/ 41       | .3                                  | 2.7  | 1.8  | 1.0   | .1  |      |       |                |          |                                    |        |        |        |        |        |       |    | 53   |      |          |          |           |  | 53  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 39       | 1.1                                 | 2.7  | 2.7  | .6    | .2  |      |       |                |          |                                    |        |        |        |        |        |       |    | 65   |      |          |          |           |  | 65  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 38/ 37       | .7                                  | 2.1  | 1.7  | .7    |     |      |       |                |          |                                    |        |        |        |        |        |       |    | 46   |      |          |          |           |  | 46  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 36/ 35       | 1.2                                 | 3.7  | 1.9  | .3    | .1  |      |       |                |          |                                    |        |        |        |        |        |       |    | 65   |      |          |          |           |  | 65  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 33       | .3                                  | 1.7  | 1.1  | .1    | .1  |      |       |                |          |                                    |        |        |        |        |        |       |    | 30   |      |          |          |           |  | 30  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 31       | .4                                  | 1.2  | 1.4  |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    | 28   |      |          |          |           |  | 28  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 29       | .1                                  | .6   | .9   |       | .2  |      |       |                |          |                                    |        |        |        |        |        |       |    | 16   |      |          |          |           |  | 16  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 28/ 27       |                                     | .3   | .1   | .1    | .1  |      |       |                |          |                                    |        |        |        |        |        |       |    | 6    |      |          |          |           |  | 6   |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 26/ 25       |                                     | .1   | .3   |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    | 4    |      |          |          |           |  | 4   |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 24/ 23       |                                     |      | .1   |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    | 1    |      |          |          |           |  | 1   |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 22/ 21       |                                     |      |      |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 20/ 19       |                                     |      |      |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 18/ 17       |                                     |      |      |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 16/ 15       |                                     |      |      |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 14/ 13       |                                     |      |      |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 11       |                                     |      |      |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 9        |                                     |      |      |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 7/ 1         |                                     |      |      |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| -2/ -3       |                                     |      |      |       |     |      |       |                |          |                                    |        |        |        |        |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | 11.3                                | 46.8 | 26.8 | 10.9  | 3.1 | .8   | .3    |                |          |                                    |        |        |        |        |        |       |    |      | 900  |          |          |           |  | 900 |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Element (X)  | Σ X <sup>2</sup>                    |      |      | Σ X   |     |      | X     | X <sup>2</sup> | No. Obs. | Mean No. of Hours with Temperature |        |        |        |        |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Rel. Hum.    | 6125642                             |      |      | 73206 |     |      | 81.3  | 3.794          | 900      | ≤ 0 F                              | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dry Bulb     | 1957392                             |      |      | 41264 |     |      | 45.8  | 8.535          | 900      |                                    |        |        |        | 5.5    | .2     |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Wet Bulb     | 1758512                             |      |      | 39016 |     |      | 43.4  | 8.641          | 900      |                                    |        |        |        | 9.6    |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dew Point    | 1549717                             |      |      | 36141 |     |      | 40.2  | 0.463          | 900      | .2                                 | 22.1   |        |        |        |        |       |    |      |      |          |          |           |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |       |  |

## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

48-57

YEARS

**APP**  
**MONITOR**

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## PSYCHROMETRIC SUMMARY

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HOURS 6, 5, 7, 1

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## PSYCHROMETRIC SUMMARY

YEARS

**APR**

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## PSYCHROMETRIC SUMMARY

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STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

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MON 14

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## PSYCHROMETRIC SUMMARY

APR  
MAY

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# PSYCHROMETRIC SUMMARY

724057 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

46-57

YEARS

APR

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| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    |  |    |  |  |  |  |       |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|----|------|------|----------|----------|-----------|----|----|----|--|----|--|--|--|--|-------|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30          | 31 | O.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point |    |    |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| 88/ 87       |                                     |     |     |     |     |      |       | .1    | .4    | .1    |       |       |       |       |       |                |    |      |      |          |          |           | 6  | 6  |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| 86/ 85       |                                     |     |     |     |     |      |       | .1    | .1    |       |       |       |       |       |       |                |    |      |      |          |          |           | 2  | 2  |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| 84/ 83       |                                     |     |     |     |     |      |       | .1    |       |       |       |       |       |       | .1    | .1             |    |      |      |          |          |           | 3  | 3  |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| 82/ 81       |                                     |     |     |     |     |      | .1    | .3    | .2    | .1    | .1    |       |       |       |       |                |    |      |      |          |          |           | 8  | 8  |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| 80/ 79       |                                     |     |     | .2  |     | .1   | .1    | .2    | .2    | .2    |       |       |       |       |       |                |    |      |      |          |          |           | 10 | 17 |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| 78/ 77       |                                     |     |     |     |     | .2   | .9    | .6    | .3    | .2    | .1    | .3    |       |       |       |                |    |      |      |          |          |           | 24 | 24 |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| 76/ 75       |                                     |     |     | .2  | .6  | .7   | .3    | .9    | .3    | .7    | .1    | .1    |       |       |       |                |    |      |      |          |          |           | 34 | 34 |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| 74/ 73       |                                     |     | .4  | .1  | .7  | .4   | .3    | .4    | .2    | .2    | .2    |       |       |       |       |                |    |      |      |          |          |           | 26 | 26 | 4  |  |    |  |  |  |  |       |  |  |       |  |       |  |
| 72/ 71       |                                     |     | .1  | .6  | .9  | .4   | 1.1   | .1    | .2    | .7    | .6    |       |       |       |       |                |    |      |      |          |          |           | 42 | 42 | 7  | 1  |    |  |  |  |  |       |  |  |       |  |       |  |
| 70/ 69       |                                     |     | .2  | .7  | .6  | 1.1  | .4    | .1    | .2    |       |       |       |       |       |       |                |    |      |      |          |          |           | 30 | 30 | 15 | 2  |    |  |  |  |  |       |  |  |       |  |       |  |
| 68/ 67       |                                     |     | .2  | .4  | 1.1 | 1.1  | .4    | .4    | .2    | .1    |       |       |       |       |       |                |    |      |      |          |          |           | 37 | 37 | 13 | 7  |    |  |  |  |  |       |  |  |       |  |       |  |
| 66/ 65       |                                     | .1  | .2  | .2  | .4  | .6   | .4    | 1.2   | .8    | .1    |       |       |       |       |       |                |    |      |      |          |          |           | 37 | 37 | 32 | 6  |    |  |  |  |  |       |  |  |       |  |       |  |
| 64/ 63       |                                     | .4  | .6  | 1.8 | .8  | 2.0  | 1.1   | .4    | .8    |       |       |       |       |       |       |                |    |      |      |          |          |           | 71 | 71 | 36 | 18                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 62/ 61       | .1                                  | .3  | .7  | 2.1 | 1.4 | .6   | 1.1   | .9    | .1    | .2    |       |       |       |       |       |                |    |      |      |          |          |           | 70 | 70 | 37 | 24                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 60/ 59       | .3                                  | .3  | .7  | 1.0 | .9  | 1.1  | 1.0   | .6    |       |       |       |       |       |       |       |                |    |      |      |          |          |           | 53 | 53 | 54 | 36                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 58/ 57       | .6                                  | .8  | .8  | 1.1 | 1.8 | 1.7  | 1.7   | .9    | .1    |       |       |       |       |       |       |                |    |      |      |          |          |           | 84 | 84 | 61 | 33                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 56/ 55       | .3                                  | 1.6 | 1.9 | 1.8 | 2.2 | 1.4  | .7    |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           | 89 | 89 | 64 | 33                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 54/ 53       | .1                                  | .9  | .9  | 1.2 | .4  | .7   | .9    | .1    |       |       |       |       |       |       |       |                |    |      |      |          |          |           | 51 | 51 | 85 | 63                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 52/ 51       | .3                                  | 2.4 | .9  | .2  | 2.4 | 1.0  | .4    |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           | 70 | 70 | 82 | 56                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 50/ 49       |                                     | 1.1 | 1.1 | 1.6 | 1.0 | .7   | .1    |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           | 50 | 50 | 95 | 56                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 48/ 47       |                                     | .7  | .7  | 1.3 | 1.2 | .3   |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           | 38 | 38 | 85 | 60                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 46/ 45       |                                     | .6  | .9  | .8  | .2  | .1   |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           | 23 | 23 | 58 | 47                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 44/ 43       |                                     | 1.3 |     | .4  | .1  | .1   |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           | 18 | 18 | 72 | 61                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 42/ 41       | .1                                  | .6  | .2  | .1  | .1  | .1   |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           | 11 | 11 | 51 | 66                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 40/ 39       |                                     | .2  | .3  |     | .1  | .2   | .1    |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           | 9  | 9  | 30 | 43                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 38/ 37       | .1                                  | .2  | .1  |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           | 4  | 4  | 10 | 57                                       |    |  |  |  |  |       |  |  |       |  |       |  |
| 36/ 35       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    | 7  | 50 |  |  |  |  |       |  |  |       |  |       |  |
| 34/ 33       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    | 1  | 57 |  |  |  |  |       |  |  |       |  |       |  |
| 32/ 31       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    | 5  | 33 |  |  |  |  |       |  |  |       |  |       |  |
| 30/ 29       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    | 1  | 43 |  |  |  |  |       |  |  |       |  |       |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| 26/ 25       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| 22/ 21       |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| Element (X)  | Σ X <sup>2</sup>                    |     |     |     |     | Σ X  |       |       |       |       | Σ     |       |       |       |       | Σ <sub>A</sub> |    |      |      |          | No. Obs. |           |    |    |    | Mean No. of Hours with Temperature       |    |  |  |  |  |       |  |  |       |  |       |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    | Σ 0 F Σ 32 F Σ 67 F Σ 73 F Σ 80 F Σ 93 F |    |  |  |  |  | Total |  |  |       |  |       |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    |  |    |  |  |  |  |       |  |  |       |  |       |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |                |    |      |      |          |          |           |    |    |    |  |    |  |  |  |  |       |  |  |       |  |       |  |

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## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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# PSYCHROMETRIC SUMMARY

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| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |    |
|--------------|-------------------------------------|-----|-----|------------|-----|------|-----------|-------|-------|------------|-------|-------|----------|-------|-------|--|-----|-----------|----------|----------|-----------|-------|--|--|--|--|--|--|--|--|--|-------|--|-------|----|
|              | 0                                   | 1-2 | 3-4 | 5-6        | 7-8 | 9-10 | 11-12     | 13-14 | 15-16 | 17-18      | 19-20 | 21-22 | 23-24    | 25-26 | 27-28 | 29-30  | +31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |  |  |  |  |  |  |  |       |  |       |    |
| 92/ 91       |                                     |     |     |            |     |      |           |       |       | .1         |       |       |          |       |       |  |     | 1         |          | 1        |           |       |  |  |  |  |  |  |  |  |  |       |  |       |    |
| 90/ 89       |                                     |     |     |            |     |      |           |       | .5    | .2         |       |       |          |       |       |  |     | 7         |          | 7        |           |       |  |  |  |  |  |  |  |  |  |       |  |       |    |
| 88/ 87       |                                     |     |     |            |     |      | .2        | .3    | .2    | .1         | .2    | .2    | .1       |       |       |  |     | 13        |          | 13       |           |       |  |  |  |  |  |  |  |  |  |       |  |       |    |
| 86/ 85       |                                     |     |     | .1         |     | .3   | .5        | .4    | .2    | .5         | .2    | .1    |          |       |       |  |     | 23        |          | 23       |           |       |  |  |  |  |  |  |  |  |  |       |  |       |    |
| 84/ 83       |                                     |     |     |            | .1  | 1.0  | .8        | .3    | .2    | .1         | .6    | .3    |          |       |       |  |     | 32        |          | 32       |           |       |  |  |  |  |  |  |  |  |  |       |  |       |    |
| 82/ 81       |                                     |     |     | .1         |     | 1.2  | .8        | .5    | .4    | .2         | .1    | .4    |          |       |       |  |     | 35        |          | 35       |           |       |  |  |  |  |  |  |  |  |  |       |  |       |    |
| 80/ 79       |                                     |     | .2  | .1         | .4  | .9   | 1.0       | .5    | .3    | .3         | .8    | .1    |          |       |       |  |     | 43        |          | 43       |           |       |  |  |  |  |  |  |  |  |  |       |  | 1     |    |
| 78/ 77       |                                     | .1  | .1  | .1         | .9  | 1.5  | .9        | .4    | .9    | .2         | .5    | .1    |          |       |       |  |     | 53        |          | 53       |           |       |  |  |  |  |  |  |  |  |  |       |  | 1     |    |
| 76/ 75       |                                     |     | .2  | 1.3        | 1.5 | 1.1  | .6        | .4    | 1.4   | .4         | .6    | .1    |          |       |       |  |     | 72        |          | 72       |           |       |  |  |  |  |  |  |  |  |  |       |  | 2     |    |
| 74/ 73       |                                     |     | .3  | 1.3        | 1.7 | .8   | 1.2       | .9    | 1.2   | .6         |       |       |          |       |       |  |     | 75        |          | 75       |           |       |  |  |  |  |  |  |  |  |  |       |  | 5     |    |
| 72/ 71       |                                     | .3  | 1.6 | 2.2        | 1.8 | .4   | 1.6       | .6    | 1.0   | .3         | .1    |       |          |       |       |  |     | 93        |          | 93       |           |       |  |  |  |  |  |  |  |  |  |       |  | 8     |    |
| 70/ 69       |                                     | .8  | 1.2 | 1.2        | .6  | 1.1  | 1.2       | 1.4   | .4    | .3         | .1    |       |          |       |       |  |     | 77        |          | 77       |           |       |  |  |  |  |  |  |  |  |  |       |  | 25    |    |
| 68/ 67       |                                     | .3  | 1.3 | 1.0        | 1.2 | 1.5  | 1.2       | .9    | .2    |            |       |       |          |       |       |  |     | 70        |          | 70       |           |       |  |  |  |  |  |  |  |  |  |       |  | 50    |    |
| 66/ 65       |                                     | .3  | 1.4 | 1.3        | 2.0 | .9   | .6        | .5    | .3    | .3         |       |       |          |       |       |  |     | 72        |          | 72       |           |       |  |  |  |  |  |  |  |  |  |       |  | 41    |    |
| 64/ 63       |                                     | .3  | .8  | 1.1        | 1.3 | 1.3  | .4        | 1.1   | .2    |            |       |       |          |       |       |  |     | 60        |          | 60       |           |       |  |  |  |  |  |  |  |  |  |       |  | 67    |    |
| 62/ 61       | .3                                  | .8  | .6  | 1.1        | .5  | 1.3  | 1.2       | 1.1   | .1    |            |       |       |          |       |       |  |     | 63        |          | 63       |           |       |  |  |  |  |  |  |  |  |  |       |  | 71    |    |
| 60/ 59       | .1                                  | 1.3 | .4  | 1.0        | .3  | .6   | .4        | .4    |       |            |       |       |          |       |       |  |     | 43        |          | 43       |           |       |  |  |  |  |  |  |  |  |  |       |  | 64    |    |
| 58/ 57       |                                     | .5  | .2  | .6         | .6  | .3   | .8        | .1    |       |            |       |       |          |       |       |  |     | 30        |          | 30       |           |       |  |  |  |  |  |  |  |  |  |       |  | 44    |    |
| 56/ 55       |                                     | 1.2 | .5  | .5         | .3  | .3   | .4        | .1    |       |            |       |       |          |       |       |  |     | 32        |          | 32       |           |       |  |  |  |  |  |  |  |  |  |       |  | 67    |    |
| 54/ 53       |                                     | 1.5 | .3  | .1         | .4  | .3   |           |       |       |            |       |       |          |       |       |  |     | 25        |          | 25       |           |       |  |  |  |  |  |  |  |  |  |       |  | 45    |    |
| 52/ 51       |                                     | .9  |     |            |     | .1   |           |       |       |            |       |       |          |       |       |  |     | 9         |          | 9        |           |       |  |  |  |  |  |  |  |  |  |       |  | 83    |    |
| 50/ 49       |                                     | .2  |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     | 2         |          | 2        |           |       |  |  |  |  |  |  |  |  |  |       |  | 63    |    |
| 48/ 47       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       | 50 |
| 46/ 45       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       | 50 |
| 44/ 43       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       | 48 |
| 42/ 41       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       | 37 |
| 40/ 39       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       | 30 |
| 38/ 37       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       | 15 |
| 36/ 35       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       | 19 |
| 34/ 33       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       | 18 |
| 32/ 31       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       | 11 |
| 30/ 29       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       | 2  |
| 28/ 27       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       | 2  |
| 26/ 25       |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       | 2  |
| Element (X)  | $\Sigma X^2$                        |     |     | $\Sigma X$ |     |      | $\bar{X}$ |       |       | $\sigma_x$ |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature                               |     |           |          |          |           | Total |  |  |  |  |  |  |  |  |  |       |  |       |    |
| Rel. Hum.    |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       | $\pm 0 F$ $\pm 32 F$ $\pm 67 F$ $\pm 73 F$ $\pm 80 F$ $\pm 93 F$ |     |           |          |          |           | Total |  |  |  |  |  |  |  |  |  |       |  |       |    |
| Dry Bulb     |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |    |
| Wet Bulb     |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |    |
| Dew Point    |                                     |     |     |            |     |      |           |       |       |            |       |       |          |       |       |  |     |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |    |

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48-57

YEARS

JUN

PAGE 1 1500-1700

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |                    |          |           |  |  |  |  |  |  |  |  |  |  |  | TOTAL |  |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|--------------------|----------|-----------|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B. W.B. Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 100/ 99      |                                     |     |     |     |      |      |       |       |       |       | .1    | .1    |       |       |       |       |    | 2                  | 2        |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 98/ 97       |                                     |     |     |     |      |      |       |       |       |       | .1    | .1    |       |       |       |       |    | 2                  | 2        |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 96/ 95       |                                     |     |     |     |      |      |       |       | .3    | .6    | .1    |       |       |       |       |       |    | 9                  | 9        |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 94/ 93       |                                     |     |     |     |      |      | .1    | 1.0   |       | .3    | .2    |       |       |       |       |       |    | 15                 | 15       |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 92/ 91       |                                     |     |     |     |      | .2   | .4    | .4    | .1    | .3    | .2    | .1    | .1    | .1    |       |       |    | 15                 | 15       |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 90/ 89       |                                     |     |     |     | .2   | .4   | 1.4   | 1.9   | .6    | .3    | .6    | .3    | .2    |       |       |       |    | 54                 | 54       |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 88/ 87       |                                     |     |     |     | .2   | 1.1  | 2.1   | 1.7   | .7    | .9    | .6    | .1    |       | .1    |       |       |    | 67                 | 67       |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 86/ 85       |                                     |     |     |     | .9   | 2.2  | 2.6   | 2.0   | 1.3   | .8    | .6    | .2    | .1    |       |       |       |    | 96                 | 96       |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 84/ 83       |                                     |     | .1  | .1  | 1.8  | 1.7  | 2.2   | 1.1   | .8    | .8    | .3    | .1    | .1    |       |       |       |    | 82                 | 82       |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 82/ 81       |                                     |     | .2  | 1.2 | 1.0  | 1.0  | 1.2   | 1.0   | .9    | .8    | .2    | .2    |       | .1    |       |       |    | 71                 | 71       | 8         |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 80/ 79       |                                     | .1  | .3  | .7  | .7   | .8   | 2.1   | 1.0   | 1.4   | .6    | .1    | .1    |       |       |       |       |    | 71                 | 71       | 28        |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 78/ 77       |                                     | .2  | .4  | .9  | 1.6  | 2.3  | 1.8   | 1.2   | .8    | .9    |       |       |       |       |       |       |    | 91                 | 91       | 56        |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 76/ 75       |                                     | .3  | .8  | 1.6 | 1.0  | 1.4  | 1.8   | 1.1   | .8    | .2    |       |       |       |       |       |       |    | 81                 | 81       | 95        |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 74/ 73       | .1                                  | .6  | 1.2 | 1.1 | 1.1  | .9   | 1.1   | .2    | .4    | .2    |       |       |       |       |       |       |    | 63                 | 63       | 84        |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 72/ 71       |                                     | .9  | .6  | .1  | .8   | 1.2  | .2    | .8    | .2    |       |       |       |       |       |       |       |    | 43                 | 43       | 85        |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 70/ 69       |                                     | .9  | .4  | .6  | .6   | .3   | 1.1   | .4    | .1    |       |       |       |       |       |       |       |    | 40                 | 40       | 107       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 68/ 67       |                                     | .7  | 1.0 | .4  | .8   | .3   |       |       |       |       |       |       |       |       |       |       |    | 29                 | 29       | 87        |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 66/ 65       |                                     | 1.2 | .4  | .9  | .4   |      |       |       |       |       |       |       |       |       |       |       |    | 27                 | 27       | 103       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 64/ 63       |                                     | .8  | .3  | .2  |      |      |       |       |       |       |       |       |       |       |       |       |    | 12                 | 12       | 74        |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 62/ 61       |                                     | .7  | .1  |     |      |      |       |       |       |       |       |       |       |       |       |       |    | 7                  | 7        | 68        |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 60/ 59       |                                     | .4  | .2  | .2  |      |      |       |       |       |       |       |       |       |       |       |       |    | 8                  | 8        | 47        |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 58/ 57       | .1                                  | .3  | .2  |     |      |      |       |       |       |       |       |       |       |       |       |       |    | 6                  | 6        | 33        |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 56/ 55       | .1                                  | .1  |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    | 2                  | 2        | 12        |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 54/ 53       | .3                                  |     | .1  |     |      |      |       |       |       |       |       |       |       |       |       |       |    | 4                  | 4        | 7         |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 52/ 51       | .1                                  | .1  |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    | 2                  | 2        | 2         |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 50/ 49       | .1                                  |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    | 1                  | 1        | 2         |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 48/ 47       |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |                    |          |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 46/ 45       |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |                    |          |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 44/ 43       |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |                    |          |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 42/ 41       |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |                    |          |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 40/ 39       |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |                    |          |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| 28/ 27       |                                     |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |                    |          |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| TOTAL        | .9                                  | 7.3 | 6.6 | 8.0 | 11.0 | 14.0 | 18.2  | 13.4  | 8.4   | 6.8   | 3.1   | 1.3   | .6    | .3    |       |       |    | 900                | 900      | 900       |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |
| Element (X)  | Σ X <sup>2</sup>                    |     |     |     |      |      |       |       |       |       |       |       |       |       |       |       |    |                    |          |           |  |  |  |  |  |  |  |  |  |  |  |       |  |  |       |  |

## PSYCHROMETRIC SUMMARY

JUN

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[illegible]



## PSYCHROMETRIC SUMMARY

48-57

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUN 71)

[illegible]

## PSYCHROMETRIC SUMMARY

|         |                      |
|---------|----------------------|
| 724057  | PHILLIPS/ABERDEEN MD |
| STATION | STATION NAME         |

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## PSYCHROMETRIC SUMMARY

48-57

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| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          |           |  |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6  | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 82/ 81       |                                     |      | .3   | .6   | .1  | .2   |       |       |       |       |       |       |       |       |       |       |    | 12        | 12       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 80/ 79       |                                     | .8   | 1.9  | .9   | .3  | .1   |       |       |       |       |       |       |       |       |       |       |    | 37        | 37       |          |           |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 78/ 77       |                                     | 2.3  | 1.8  | .9   | .2  | .1   |       |       |       |       |       |       |       |       |       |       |    | 49        | 49       | 22       | 10        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76/ 75       | .5                                  | 3.5  | 4.3  | 2.3  | .6  | .1   | .1    |       |       |       |       |       |       |       |       |       |    | 107       | 107      | 52       | 32        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       | .8                                  | 5.6  | 4.4  | 1.7  | .6  | .1   | .1    |       |       |       |       |       |       |       |       |       |    | 124       | 124      | 62       | 69        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 71       | 1.2                                 | 9.6  | 3.5  | 1.0  | .4  | .3   |       |       |       |       |       |       |       |       |       |       |    | 149       | 149      | 142      | 119       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 69       | 1.2                                 | 5.3  | 3.8  | 1.0  | .8  | .3   | .1    |       |       |       |       |       |       |       |       |       |    | 115       | 115      | 149      | 136       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 67       | .9                                  | 3.3  | 3.3  | .4   | .5  | .1   |       |       |       |       |       |       |       |       |       |       |    | 80        | 80       | 97       | 121       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       | .3                                  | 4.5  | 2.8  | 1.4  | .4  | .3   |       |       |       |       |       |       |       |       |       |       |    | 91        | 91       | 78       | 75        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       | .2                                  | 3.9  | 1.7  | 1.0  | .1  |      |       |       |       |       |       |       |       |       |       |       |    | 64        | 64       | 94       | 65        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       | .1                                  | 3.3  | 1.8  | .5   |     |      |       |       |       |       |       |       |       |       |       |       |    | 54        | 54       | 72       | 93        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       | .4                                  | 2.0  | .4   | .3   |     |      |       |       |       |       |       |       |       |       |       |       |    | 30        | 30       | 69       | 74        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       | .1                                  | .8   | .2   | .1   |     |      |       |       |       |       |       |       |       |       |       |       |    | 11        | 11       | 47       | 48        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       |                                     | .3   | .1   |      |     |      |       |       |       |       |       |       |       |       |       |       |    | 4         | 4        | 15       | 40        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     | .1   |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    | 1         | 1        | 7        | 25        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          | 2        | 10        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       |                                     | .2   |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    | 2         | 2        | 2        | 10        |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 48/ 47       |                                     |      |      |      |     |      |       |       |       |       |       |       |       |       |       |       |    |           |          |          | 3         |  |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | 5.7                                 | 45.5 | 31.5 | 12.0 | 4.2 | 1.7  | .3    |       |       |       |       |       |       |       |       |       |    | 930       | 930      | 930      | 930       |  |  |  |  |  |  |  |  |  |  |       |  |       |  |



## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

724057                      PHILLIPS/ABERDEEN MD  
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## AUG

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YEARS

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
(JUN 71)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724057 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

48-57  
YEARS

AUG  
MONTH

PAGE 1 0300-0500

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |       |     |      |       |                |       |       |          |       |       |                                    |       |       |      |      |      |          |          |           |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|-------|-----|------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|-------|-------|------|------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6   | 7-8 | 9-10 | 11-12 | 13-14          | 15-16 | 17-18 | 19-20    | 21-22 | 23-24 | 25-26                              | 27-28 | 29-30 | 31   | D.B. | W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 80 / 79      |                                     |      | .2   | .1    |     |      |       |                |       |       |          |       |       |                                    |       |       |      | 3    | 7    |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 78 / 77      |                                     | 1.0  | .9   |       |     | .1   | .2    |                |       |       |          |       |       |                                    |       |       |      | 20   | 20   |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76 / 75      | .5                                  | 2.8  | 1.5  | .2    | .4  | .1   |       |                |       |       |          |       |       |                                    |       |       |      | 52   | 57   | 20       | 14       |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74 / 73      | .7                                  | 4.1  | 1.2  | .4    | .1  | .2   | .1    |                |       |       |          |       |       |                                    |       |       |      | 63   | 64   | 56       | 45       |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72 / 71      | 1.9                                 | 5.4  | 2.1  | .2    |     |      |       |                |       |       |          |       |       |                                    |       |       |      | 86   | 88   | 75       | 63       |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70 / 69      | 3.8                                 | 6.8  | 3.5  | .9    | .1  |      |       |                |       |       |          |       |       |                                    |       |       |      | 138  | 143  | 104      | 106      |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68 / 67      | 2.3                                 | 5.1  | 4.8  | .4    | .1  |      |       |                |       |       |          |       |       |                                    |       |       |      | 117  | 118  | 99       | 87       |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66 / 65      | 2.2                                 | 8.2  | 2.0  | .5    | .2  |      |       |                |       |       |          |       |       |                                    |       |       |      | 120  | 120  | 136      | 90       |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64 / 63      | .9                                  | 4.7  | 2.2  | .5    | .2  |      |       |                |       |       |          |       |       |                                    |       |       |      | 78   | 78   | 111      | 122      |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62 / 61      | .9                                  | 4.7  | 1.2  | .2    | .1  |      |       |                |       |       |          |       |       |                                    |       |       |      | 65   | 65   | 71       | 85       |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60 / 59      | .5                                  | 4.1  | 1.9  | .1    |     |      |       |                |       |       |          |       |       |                                    |       |       |      | 61   | 61   | 69       | 74       |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58 / 57      | .3                                  | 3.1  | .9   | .3    | .1  |      |       |                |       |       |          |       |       |                                    |       |       |      | 43   | 43   | 62       | 59       |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56 / 55      | .3                                  | 2.0  | 1.3  |       |     |      |       |                |       |       |          |       |       |                                    |       |       |      | 33   | 33   | 46       | 58       |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54 / 53      | .4                                  | 1.3  | .7   | .1    |     |      |       |                |       |       |          |       |       |                                    |       |       |      | 23   | 23   | 28       | 41       |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52 / 51      | .2                                  | .4   | .5   | .1    |     |      |       |                |       |       |          |       |       |                                    |       |       |      | 12   | 12   | 26       | 26       |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50 / 49      |                                     | .1   | .1   |       |     |      |       |                |       |       |          |       |       |                                    |       |       |      | 2    | 2    | 9        | 27       |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 48 / 47      |                                     |      |      |       |     |      |       |                |       |       |          |       |       |                                    |       |       |      |      |      | 6        | 4        |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 46 / 45      |                                     |      |      |       |     |      |       |                |       |       |          |       |       |                                    |       |       |      |      |      |          | 7        |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44 / 43      |                                     |      |      |       |     |      |       |                |       |       |          |       |       |                                    |       |       |      |      |      |          | 4        |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 42 / 41      |                                     |      |      |       |     |      |       |                |       |       |          |       |       |                                    |       |       |      |      |      |          | 1        |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | 14.9                                | 53.8 | 24.8 | 4.2   | 1.4 | .4   | .3    |                |       |       |          |       |       |                                    |       |       |      | 918  | 930  | 918      | 918      |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Element (X)  | Σ x'                                |      |      | Σ x   |     |      | Σ     | Σ <sub>s</sub> |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |       |       |      |      |      | Total    |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Rel. Hum.    | 7457061                             |      |      | 82379 |     |      | 89.7  | 8.392          |       |       | 919      |       |       | 0 F                                | 32 F  | 67 F  | 73 F | 80 F | 93 F |          |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dry Bulb     | 4124095                             |      |      | 61677 |     |      | 66.3  | 6.024          |       |       | 930      |       |       |                                    |       | 49.3  | 14.4 |      |      | 93       |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Wet Bulb     | 3829105                             |      |      | 59019 |     |      | 64.3  | 6.154          |       |       | 918      |       |       |                                    |       | 35.9  | 7.7  |      |      | 93       |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dew Point    | 3699283                             |      |      | 57947 |     |      | 63.1  | 6.726          |       |       | 918      |       |       |                                    |       | 32.4  | 6.0  |      |      | 93       |          |           |  |  |  |  |  |  |  |  |  |       |  |       |  |

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71

## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

48-57

AUC

PAGE 1 2620-2620

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|-----------|----------|-----------|-----|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4  | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | D.B. W.B. | D.B. W.B. | Wet Bulb | Dew Point |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 88/ 87       |                                     |      |      |     |     |      | .1    |       | .1    |       |       |       |       |       |       |       |    | 2         | 2         |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 86/ 85       |                                     |      |      | .1  |     |      |       |       |       |       |       |       |       |       |       |       |    | 1         | 1         |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 84/ 83       |                                     |      | .2   |     | .4  |      | .1    | .3    | .1    |       |       |       |       |       |       |       |    | 11        | 12        |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 82/ 81       |                                     |      | .2   | .7  | .5  | .2   | .1    |       | .1    |       |       |       |       |       |       |       |    | 17        | 19        |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 80/ 79       |                                     | .5   | .7   | 1.1 | .2  | .5   |       |       |       |       |       |       |       |       |       |       |    | 28        | 29        |          | 3         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 78/ 77       |                                     | 1.6  | 2.1  | 1.3 | .7  | .4   |       | .1    |       |       |       |       |       |       |       |       |    | 56        | 57        | 11       | 6         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 76/ 75       | .3                                  | 3.1  | 1.5  | 2.2 | .5  | .8   |       |       |       |       |       |       |       |       |       |       |    | 77        | 61        | 47       | 24        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 74/ 73       | 1.6                                 | 4.2  | 4.1  | 2.2 | .4  | .2   | .2    |       |       |       |       |       |       |       |       |       |    | 120       | 121       | 84       | 67        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 71       | 1.3                                 | 4.8  | 3.8  | 1.9 | 1.2 | .3   | .3    |       |       |       |       |       |       |       |       |       |    | 125       | 126       | 88       | 92        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 69       | 1.3                                 | 6.9  | 3.3  | 2.6 | .9  | 1.0  | .1    |       |       |       |       |       |       |       |       |       |    | 146       | 146       | 144      | 99        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 67       | .5                                  | 4.7  | 4.1  | 1.0 | 2.0 |      | .1    |       |       |       |       |       |       |       |       |       |    | 114       | 115       | 116      | 125       |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       | .5                                  | 3.9  | 2.2  | 1.6 | .3  | .2   |       |       |       |       |       |       |       |       |       |       |    | 81        | 81        | 121      | 90        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       | .3                                  | 2.5  | 1.0  | 1.2 | .1  | .1   |       |       |       |       |       |       |       |       |       |       |    | 48        | 48        | 94       | 91        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       | .2                                  | 2.3  | .7   | .7  | .1  |      |       |       |       |       |       |       |       |       |       |       |    | 37        | 37        | 66       | 87        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       | .1                                  | 1.5  | .7   | .3  |     | .1   |       |       |       |       |       |       |       |       |       |       |    | 25        | 25        | 69       | 69        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       |                                     | 1.1  | .3   | .1  |     |      |       |       |       |       |       |       |       |       |       |       |    | 14        | 14        | 71       | 50        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       |                                     | .4   | .5   |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 9         | 9         | 23       | 49        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     | .2   | .2   | .2  |     |      |       |       |       |       |       |       |       |       |       |       |    | 6         | 6         | 12       | 31        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       |                                     | .1   |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    | 1         | 1         | 5        | 14        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           | 3        | 12        |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 48/ 47       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           | 1        | 8         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 46/ 45       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          | 1         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 43       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          | 1         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 42/ 41       |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          | 2         |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| TOTAL        | 6.337                               | 8.25 | 9.17 | 1.1 | 7.9 | 3.9  | 1.1   | .4    | .3    |       |       |       |       |       |       |       |    |           | 918       | 930      | 918       | 918 |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      |       |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |
|              |                                     |      |      |     |     |      | </    |       |       |       |       |       |       |       |       |       |    |           |           |          |           |     |  |  |  |  |  |  |  |  |  |       |  |       |  |

## PSYCHROMETRIC SUMMARY

48-57

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION F. |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--------------|------------------------------------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|              | 0                                  | 1-2 | 3-4  | 5-6  | 7-8  | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31-32 | 33-34 | 35-36 | 37-38 | 39-40 | 41-42 | 43-44 | 45-46 | 47-48 | 49-50 |
| 100/ 99      |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 98/ 97       |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 96/ 95       |                                    |     |      |      |      |      |       |       | .1    |       | .1    | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 94/ 93       |                                    |     |      |      |      |      |       | .1    |       |       | .1    | .2    | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 92/ 91       |                                    |     |      |      | .1   | .2   | .2    | .7    | .7    |       |       | .7    | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 90/ 89       |                                    |     |      |      | .3   | .7   | .7    | .7    | .1    | .3    | .1    |       | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 88/ 87       |                                    |     |      |      | .5   | 1.1  | 1.4   | .2    | .7    | .1    | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 86/ 85       |                                    |     |      | .4   | 1.3  | 2.2  | .5    | 1.2   | .4    | .7    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 84/ 83       |                                    |     | .2   | 1.1  | 1.6  | 1.7  | 1.5   | .1    | .4    |       |       |       | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 82/ 81       |                                    |     | .4   | 2.0  | 1.2  | 2.0  | 1.1   | 1.1   | .5    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 80/ 79       |                                    | .5  | 1.8  | 2.2  | 2.1  | 2.7  | .9    | .7    | .5    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 78/ 77       |                                    | 1.7 | 2.3  | 2.1  | 2.6  | 2.5  | 1.5   | 1.2   | .3    | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 76/ 75       | .1                                 | .8  | 2.3  | 2.9  | 1.8  | 1.6  | 1.3   | 1.6   | .4    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 74/ 73       | .1                                 | 1.8 | 2.2  | 2.2  | 1.2  | 1.5  | 1.7   | 1.3   | .1    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 72/ 71       | .2                                 | 2.4 | 1.7  | 1.1  | 1.3  | 1.4  | .9    | .2    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 70/ 69       | .3                                 | 1.1 | .9   | .9   | 1.2  | .7   | .3    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 68/ 67       | .3                                 | .8  | 1.0  | .3   | .3   | .7   | .4    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 66/ 65       | .2                                 | .1  | .3   | .1   | .1   | .1   | .2    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 64/ 63       |                                    | .1  |      |      | .2   |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 62/ 61       |                                    | .2  |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 60/ 59       |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 58/ 57       |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 56/ 55       |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 54/ 53       |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 52/ 51       |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 50/ 49       |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 48/ 47       |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 46/ 45       |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| TOTAL        | 1.3                                | 9.5 | 13.1 | 15.2 | 15.5 | 17.9 | 12.4  | 8.4   | 3.9   | .9    | .6    | .7    | .4    | .1    |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|              |                                    |     |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

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PHILLIPS ABERDEEN MARYLAND REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A. 03 NOV 83

515

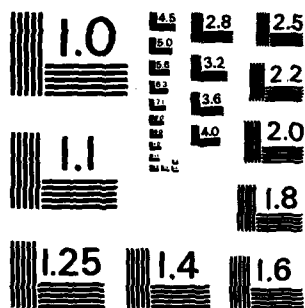
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USAFETAC/DS-83/047 SBI-AD-E850 500

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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

## PSYCHROMETRIC SUMMARY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57

**YEARS**

     AUG  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

|               |                             |
|---------------|-----------------------------|
| <u>724057</u> | <u>PHILLIPS/ABERDEEN MD</u> |
| STATION       | STATION NAME                |

48-57

AUG  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

724057                      PHILLIPS/ABERDEEN MD  
STATION                      STATION NAME

48-57

**AUG**  
MONTH

PAGE 1 1000-2000  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

**48-57**

1 AUG  
1964

PAGE 1 2100-2300  
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724057 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

48-57

YEARS

AUG  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |        |          |        | TOTAL<br>O.B.W.B. | TOTAL |  |  |
|--------------|-------------------------------------|-------|--------|-----|------|------|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|----------|--------|----------|--------|-------------------|-------|--|--|
|              | 0                                   | 1-2   | 3-4    | 5-6 | 7-8  | 9-10 | 11-12  | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24  | 25-26 | 27-28  | 29-30 | 31     | Dry Bulb |        | Wet Bulb |        | Dew Point         |       |  |  |
| 102/ 101     |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 4        |        | 4        |        |                   |       |  |  |
| 100/ 99      |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 1        |        | 1        |        |                   |       |  |  |
| 98/ 97       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 19       |        | 21       |        |                   |       |  |  |
| 96/ 95       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 32       |        | 37       |        |                   |       |  |  |
| 94/ 93       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 41       |        | 45       |        |                   |       |  |  |
| 92/ 91       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 69       |        | 72       |        |                   |       |  |  |
| 90/ 89       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 101      |        | 102      |        |                   |       |  |  |
| 88/ 87       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 203      |        | 205      |        |                   |       |  |  |
| 86/ 85       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 276      |        | 277      |        |                   |       |  |  |
| 84/ 83       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 309      |        | 314      |        |                   |       |  |  |
| 82/ 81       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 367      |        | 375      |        |                   |       |  |  |
| 80/ 79       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 536      |        | 539      |        |                   |       |  |  |
| 78/ 77       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 667      |        | 675      |        |                   |       |  |  |
| 76/ 75       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 690      |        | 704      |        |                   |       |  |  |
| 74/ 73       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 718      |        | 723      |        |                   |       |  |  |
| 72/ 71       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 680      |        | 685      |        |                   |       |  |  |
| 70/ 69       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 727      |        | 733      |        |                   |       |  |  |
| 68/ 67       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 580      |        | 582      |        |                   |       |  |  |
| 66/ 65       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 425      |        | 425      |        |                   |       |  |  |
| 64/ 63       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 280      |        | 280      |        |                   |       |  |  |
| 62/ 61       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 216      |        | 216      |        |                   |       |  |  |
| 60/ 59       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 189      |        | 189      |        |                   |       |  |  |
| 58/ 57       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 107      |        | 107      |        |                   |       |  |  |
| 56/ 55       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 76       |        | 76       |        |                   |       |  |  |
| 54/ 53       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 41       |        | 41       |        |                   |       |  |  |
| 52/ 51       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 18       |        | 18       |        |                   |       |  |  |
| 50/ 49       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        | 3        |        | 3        |        |                   |       |  |  |
| 48/ 47       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |        |          |        |                   |       |  |  |
| 46/ 45       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |        |          |        |                   |       |  |  |
| 44/ 43       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |        |          |        |                   |       |  |  |
| 42/ 41       |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |        |          |        |                   |       |  |  |
| TOTAL        | 5.126                               | 219.9 | 12.5   | 9.0 | 8.3  | 6.3  | 5.2    | 2.9   | 1.4   | .7    | .4    | .2    | .1     | .0    | .0     | .0    |        | 7366     |        | 7366     |        |                   |       |  |  |
|              |                                     |       |        |     |      |      |        |       |       |       |       |       |        |       |        |       |        |          |        |          |        |                   |       |  |  |
| Element (X)  | Σ x                                 |       | Σ x    |     | Σ x  |      | Σ x    |       | Σ x   |       | Σ x   |       | Σ x    |       | Σ x    |       | Σ x    |          | Σ x    |          | Σ x    |                   | Σ x   |  |  |
| Rel. Hum.    | 45212209                            |       | 863029 |     | 76.4 |      | 17.193 |       | 7366  |       | Σ 0 F |       | Σ 32 F |       | Σ 67 F |       | Σ 73 F |          | Σ 80 F |          | Σ 92 F |                   | Total |  |  |
| Dry Bulb     | 40930083                            |       | 548443 |     | 73.7 |      | 8.209  |       | 7990  |       |       |       |        |       | 609.9  |       | 609.9  |          | 173.2  |          | 10.8   |                   | 799   |  |  |
| Wet Bulb     | 34393149                            |       | 501378 |     | 68.1 |      | 6.019  |       | 7366  |       |       |       |        |       | 469.2  |       | 183.5  |          | 10.2   |          |        |                   | 799   |  |  |
| Dew Point    | 33969518                            |       | 478766 |     | 65.0 |      | 6.857  |       | 7366  |       |       |       |        |       | 398.9  |       | 98.2   |          | 1.8    |          |        |                   | 799   |  |  |

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

**4A-57**

SEP  
MONTH

PAGE 1 ~~0300-0500~~  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724057 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

98-57  
YEARS

SEP  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       | TOTAL<br>D.B. W.B. | TOTAL    |           |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|--------------------|----------|-----------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20    | 21-22 | 23-24                              | 25-26  | 27-28  | 29-30  | > 31   |        |       | Dry Bulb           | Wet Bulb | Dew Point |  |
| 94/ 93       |                                     |     |     |     |     |      |       | .1    |       |       |          |       |                                    |        |        |        |        |        | 1     | 1                  |          |           |  |
| 92/ 91       |                                     |     |     |     |     |      | .1    | .1    |       |       |          |       |                                    |        |        |        |        |        | 2     | 2                  |          |           |  |
| 90/ 89       |                                     |     |     |     |     |      | .2    | .2    | .1    |       | .1       |       |                                    |        |        |        |        |        | 6     | 6                  |          |           |  |
| 88/ 87       |                                     |     |     |     | .1  | .4   | .1    |       |       | .1    |          |       |                                    |        |        |        |        |        | 7     | 7                  |          |           |  |
| 86/ 85       |                                     |     |     | .2  | .4  | .6   |       | .3    |       |       |          |       |                                    |        |        |        |        |        | 14    | 14                 |          |           |  |
| 84/ 83       |                                     |     |     | .1  | 1.0 | .6   | .6    | .1    | .1    |       |          |       |                                    |        |        |        |        |        | 22    | 22                 |          |           |  |
| 82/ 81       |                                     |     | .2  | 1.1 | 1.1 | .2   | .1    | .7    |       | .1    |          |       |                                    |        |        |        |        |        | 32    | 32                 |          |           |  |
| 80/ 79       |                                     |     | .2  | 1.4 | .6  | .9   | .9    | .7    | .1    |       |          |       |                                    |        |        |        |        |        | 43    | 43                 | 8        |           |  |
| 78/ 77       |                                     |     | 1.6 | 1.9 | 1.7 | 1.1  | 1.2   | .6    | .1    | .1    |          |       |                                    |        |        |        |        |        | 74    | 74                 | 15       | 2         |  |
| 76/ 75       | .1                                  | .7  | 1.4 | 2.2 | 2.1 | 1.7  | .9    | .6    | .3    |       |          |       |                                    |        |        |        |        |        | 90    | 90                 | 34       | 8         |  |
| 74/ 73       | .2                                  | 1.0 | 1.0 | 2.7 | 1.7 | 1.6  | 1.1   | .8    | .1    |       |          |       |                                    |        |        |        |        |        | 91    | 91                 | 61       | 44        |  |
| 72/ 71       | .1                                  | 1.0 | 2.7 | 1.4 | 1.6 | 1.0  | 1.1   | .7    |       |       |          |       |                                    |        |        |        |        |        | 86    | 86                 | 54       | 52        |  |
| 70/ 69       | .7                                  | .7  | 2.3 | 1.8 | 1.7 | 1.3  | 1.3   | .1    | .1    | .2    |          |       |                                    |        |        |        |        |        | 92    | 92                 | 79       | 55        |  |
| 68/ 67       |                                     | 1.0 | 1.3 | 1.7 | 2.6 | 1.6  | 1.0   | .3    |       | .1    |          |       |                                    |        |        |        |        |        | 86    | 86                 | 100      | 43        |  |
| 66/ 65       |                                     | 1.3 | 1.0 | 2.3 | 1.9 | .9   | 1.3   | .1    |       |       |          |       |                                    |        |        |        |        |        | 80    | 80                 | 79       | 84        |  |
| 64/ 63       |                                     | .9  | .8  | 1.3 | .9  | 1.7  | .8    | .1    |       |       |          |       |                                    |        |        |        |        |        | 58    | 58                 | 78       | 60        |  |
| 62/ 61       |                                     | .6  | .7  | 1.0 | .7  | .4   | .7    |       |       |       |          |       |                                    |        |        |        |        |        | 36    | 36                 | 86       | 68        |  |
| 60/ 59       |                                     | 1.1 | .7  | 1.1 | .2  | .6   | .3    |       |       |       |          |       |                                    |        |        |        |        |        | 36    | 36                 | 80       | 74        |  |
| 58/ 57       |                                     | .3  | .1  | .6  | .3  | .3   |       |       |       |       |          |       |                                    |        |        |        |        |        | 15    | 15                 | 76       | 70        |  |
| 56/ 55       |                                     | .2  | .2  | .2  | .3  | .1   |       |       |       |       |          |       |                                    |        |        |        |        |        | 10    | 10                 | 38       | 57        |  |
| 54/ 53       |                                     | .2  | .1  | .1  | .2  | .1   | .1    |       |       |       |          |       |                                    |        |        |        |        |        | 8     | 8                  | 49       | 65        |  |
| 52/ 51       |                                     | .2  | .2  | .1  | .1  |      |       |       |       |       |          |       |                                    |        |        |        |        |        | 5     | 5                  | 28       | 46        |  |
| 50/ 49       |                                     | .1  | .2  | .1  | .1  |      |       |       |       |       |          |       |                                    |        |        |        |        |        | 4     | 4                  | 15       | 41        |  |
| 48/ 47       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        | 1     | 1                  | 8        | 36        |  |
| 46/ 45       |                                     |     | .1  |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        | 1     | 1                  | 7        | 19        |  |
| 44/ 43       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |                    | 3        | 24        |  |
| 42/ 41       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |                    | 2        | 17        |  |
| 40/ 39       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |                    |          | 13        |  |
| 38/ 37       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |                    |          | 9         |  |
| 36/ 35       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |                    |          | 5         |  |
| 34/ 33       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |                    |          | 1         |  |
| 32/ 31       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |                    |          | 3         |  |
| 30/ 29       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |                    |          | 1         |  |
| 28/ 27       |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |                    |          | 2         |  |
| Element (X)  | Σ X <sup>2</sup>                    |     | Σ X |     | Σ   |      | Σ     |       | Σ     |       | No. Obs. |       | Mean No. of Hours with Temperature |        |        |        |        |        |       |                    |          |           |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |          |       | ≤ 0 F                              | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |                    |          |           |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |                    |          |           |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |                    |          |           |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |          |       |                                    |        |        |        |        |        |       |                    |          |           |  |

## PSYCHROMETRIC SUMMARY

724057                      PHILLIPS/ABERDEEN MD  
STATION                      STATION NAME

48-57

SEP  
MONTH

PAGE 2 0900-1100  
HOURS (L. S. T.)

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71





## PSYCHROMETRIC SUMMARY

48-57

SEP

PAGE 2 1200-1400

[illegible]

## PSYCHROMETRIC SUMMARY

|               |                             |
|---------------|-----------------------------|
| <u>724057</u> | <u>PHILLIPS/ABERDEEN MD</u> |
| STATION       | STATION NAME                |

48-57

YEARS

SEP  
MONTH

PAGE 1 1500-1700  
HOURS (i.e. 5-7)

**SUBS**  
HOURS 11-5-7

34, 5, 54321

48-57

SEP  
MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
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## PSYCHROMETRIC SUMMARY

**48-57**

**YEARS**

SEP  
MONTH

PAGE 1 ~~1800-2000~~  
HOURS (L. S. T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

|                          |   |
|--------------------------|---|
| <u>724057</u><br>STATION | <u>PHILLIPS/ABERDEEN MD</u><br>STATION NAME |
|--------------------------|---|

98-57

SEP  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**SEP**  
MONTH

**PAGE 2**

ALL  
HOURS (L, S, T, I)

[illegible]



## PSYCHROMETRIC SUMMARY

724057

PHILLIPS/ABERDEEN MD

48-57

OCT

STATION

STATION NAME

YEARS

MONTH

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HOURS (L, S, T.)

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
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## PSYCHROMETRIC SUMMARY

48-57

OCI  
MOMIN

PAGE 1 0600-0800  
HOURS L. S. T.

**USAFETAC** **FORM 0-26-3 (OL A)** **PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE**  
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## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 2 ~~0900-1100~~  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

48-57

QCT  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

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PAGE 1 1500-1700

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71



## PSYCHROMETRIC SUMMARY

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OCT  
MAY 1964

PAGE 2 1500-1700  
M208S S T I





## PSYCHROMETRIC SUMMARY

48-57

OCT  
MONTH

PAGE 1

ALL  
95 5

## PSYCHROMETRIC SUMMARY

4A-57

OCI

PAGE 2

HOURS S

[illegible]



## PSYCHROMETRIC SUMMARY

|               |                             |
|---------------|-----------------------------|
| <u>724057</u> | <u>PHILLIPS/ABERDEEN MD</u> |
| STATION       | STATION NAME                |

48-57

NOV  
MONTH

PAGE 2 0000-0200  
HOURS L. S. T. 1

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## PSYCHROMETRIC SUMMARY

724057                      PHILLIPS/ABERDEEN MD  
STATION                      STATION NAME

48-57

~~NOV~~  
MON 11

PAGE 2 0300-0500  
HOURS (S. T.)

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## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

48-57

NOV  
MONTH

PAGE 1 0600-0800

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |      |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          |          |           |  |       |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|------|-------|-----|------|------|--------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2  | 3-4   | 5-6 | 7-8  | 9-10 | 11-12  | 13-14 | 15-16    | 17-18 | 19-20                              | 21-22 | 23-24  | 25-26 | 27-28  | 29-30 | +31    | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |  |       |  |  |  |  |       |  |       |  |
| 67/ 67       |                                     | .3   |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 3         | 3        | 1        | 1         |  |       |  |  |  |  |       |  |       |  |
| 66/ 65       |                                     | .9   |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 8         | 8        | 3        | 2         |  |       |  |  |  |  |       |  |       |  |
| 64/ 63       | .4                                  | .8   |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 11        | 11       | 12       | 8         |  |       |  |  |  |  |       |  |       |  |
| 62/ 61       | .1                                  | .3   |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 4         | 4        | 7        | 10        |  |       |  |  |  |  |       |  |       |  |
| 60/ 59       | .7                                  | .2   | .1    |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 9         | 9        | 9        | 10        |  |       |  |  |  |  |       |  |       |  |
| 58/ 57       | .9                                  | 1.6  | .6    |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 27        | 27       | 13       | 14        |  |       |  |  |  |  |       |  |       |  |
| 56/ 55       | .4                                  | 1.8  | .6    | .4  |      |      | .1     |       |          |       |                                    |       |        |       |        |       |        | 30        | 30       | 22       | 12        |  |       |  |  |  |  |       |  |       |  |
| 54/ 53       | .6                                  | 1.1  | .6    | .1  |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 21        | 21       | 23       | 24        |  |       |  |  |  |  |       |  |       |  |
| 52/ 51       | 1.3                                 | 2.1  | .4    | .1  |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 36        | 36       | 39       | 30        |  |       |  |  |  |  |       |  |       |  |
| 50/ 49       | 1.2                                 | 2.7  | .6    | .2  | .4   | .1   |        |       |          |       |                                    |       |        |       |        |       |        | 47        | 47       | 28       | 34        |  |       |  |  |  |  |       |  |       |  |
| 48/ 47       | .3                                  | 1.9  | .8    | 1.1 | .2   |      |        |       |          |       |                                    |       |        |       |        |       |        | 39        | 39       | 42       | 29        |  |       |  |  |  |  |       |  |       |  |
| 46/ 45       | .7                                  | 2.6  | 1.2   | .8  |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 47        | 47       | 24       | 27        |  |       |  |  |  |  |       |  |       |  |
| 44/ 43       | .4                                  | 3.6  | 1.7   | .8  | .4   |      |        |       |          |       |                                    |       |        |       |        |       |        | 62        | 62       | 43       | 21        |  |       |  |  |  |  |       |  |       |  |
| 42/ 41       | 1.3                                 | 3.6  | 1.8   | .6  | .1   |      |        |       |          |       |                                    |       |        |       |        |       |        | 66        | 66       | 72       | 55        |  |       |  |  |  |  |       |  |       |  |
| 40/ 39       | 1.7                                 | 4.0  | 2.3   | 1.3 | .1   |      |        |       |          |       |                                    |       |        |       |        |       |        | 85        | 85       | 68       | 43        |  |       |  |  |  |  |       |  |       |  |
| 38/ 37       | .7                                  | 3.6  | 2.7   | .6  |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 67        | 67       | 71       | 58        |  |       |  |  |  |  |       |  |       |  |
| 36/ 35       | 1.1                                 | 3.2  | 1.7   | .8  |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 61        | 61       | 71       | 59        |  |       |  |  |  |  |       |  |       |  |
| 34/ 33       | 1.7                                 | 3.6  | 1.8   | .3  |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 66        | 66       | 76       | 58        |  |       |  |  |  |  |       |  |       |  |
| 32/ 31       | 1.3                                 | 4.1  | 2.2   | .1  |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 67        | 67       | 68       | 72        |  |       |  |  |  |  |       |  |       |  |
| 30/ 29       | 1.3                                 | 2.9  | 1.6   | .1  |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 53        | 53       | 66       | 69        |  |       |  |  |  |  |       |  |       |  |
| 28/ 27       | .8                                  | 2.8  | .4    | .1  |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 37        | 37       | 65       | 54        |  |       |  |  |  |  |       |  |       |  |
| 26/ 25       | .2                                  | 1.8  | .6    |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 23        | 23       | 27       | 53        |  |       |  |  |  |  |       |  |       |  |
| 24/ 23       | .2                                  | .9   | .7    |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 16        | 16       | 23       | 45        |  |       |  |  |  |  |       |  |       |  |
| 22/ 21       | .1                                  | .7   | .3    |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 10        | 10       | 14       | 38        |  |       |  |  |  |  |       |  |       |  |
| 20/ 19       |                                     | .2   |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 2         | 2        | 8        | 31        |  |       |  |  |  |  |       |  |       |  |
| 18/ 17       |                                     | .1   |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 1         | 1        | 2        | 14        |  |       |  |  |  |  |       |  |       |  |
| 16/ 15       |                                     | .2   |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        | 2         | 2        | 1        | 2         |  |       |  |  |  |  |       |  |       |  |
| 14/ 13       |                                     |      |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          | 2        | 10        |  |       |  |  |  |  |       |  |       |  |
| 12/ 11       |                                     |      |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 7         |  |       |  |  |  |  |       |  |       |  |
| 10/ 9        |                                     |      |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 6         |  |       |  |  |  |  |       |  |       |  |
| 8/ 7         |                                     |      |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 3         |  |       |  |  |  |  |       |  |       |  |
| 6/ 5         |                                     |      |       |     |      |      |        |       |          |       |                                    |       |        |       |        |       |        |           |          |          | 1         |  |       |  |  |  |  |       |  |       |  |
| TOTAL        | 17.2                                | 51.3 | 22.4  | 7.4 | 1.3  | .1   | .1     |       |          |       |                                    |       |        |       |        |       |        | 900       | 900      | 900      | 900       |  |       |  |  |  |  |       |  |       |  |
| Element (X)  | Σ X'                                |      | Σ X   |     | Σ    |      | Σ      |       | No. Obs. |       | Mean No. of Hours with Temperature |       |        |       |        |       |        |           |          |          |           |  |       |  |  |  |  |       |  |       |  |
| Rel. Hum.    | 6320716                             |      | 74444 |     | 82.7 |      | 13.467 |       | 900      |       | ± 0 F                              |       | ± 32 F |       | ± 67 F |       | ± 73 F |           | ± 80 F   |          | ± 93 F    |  | Total |  |  |  |  |       |  |       |  |
| Dry Bulb     | 1557359                             |      | 36377 |     | 40.4 |      | 9.840  |       | 900      |       |                                    |       | 21.1   |       | .3     |       |        |           |          |          |           |  | 90    |  |  |  |  |       |  |       |  |
| Wet Bulb     | 1419207                             |      | 34593 |     | 38.4 |      | 9.981  |       | 900      |       |                                    |       | 27.6   |       | .1     |       |        |           |          |          |           |  | 90    |  |  |  |  |       |  |       |  |
| Dew Point    | 1245377                             |      | 31793 |     | 35.3 |      | 1.662  |       | 900      |       |                                    |       | 40.5   |       | .1     |       |        |           |          |          |           |  | 90    |  |  |  |  |       |  |       |  |

## PSYCHROMETRIC SUMMARY

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PAGE 1 - 0900-1100  
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## PSYCHROMETRIC SUMMARY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724057 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

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YEARS

NOV  
MONTH

PAGE 1 1200-1400  
HOURS

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  | TOTAL |    | TOTAL |    |    |
|--------------|-------------------------------------|-----|-----|------------|-----|------|-----------|------------|----------|-------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|-------|------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|-------|----|-------|----|----|
|              | 0                                   | 1-2 | 3-4 | 5-6        | 7-8 | 9-10 | 11-12     | 13-14      | 15-16    | 17-18 | 19-20                              | 21-22       | 23-24       | 25-26       | 27-28       | 29-30       | 31    | D.B.  | W.B. | Dry Bulb | Wet Bulb | Dew Point |  |  |  |  |  |  |  |  |  |       |    |       |    |    |
| 86/ 85       |                                     |     |     |            |     |      |           |            | .1       |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 1  | 1     |    |    |
| 84/ 83       |                                     |     |     |            |     |      |           |            | .1       |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 1  | 1     |    |    |
| 82/ 81       |                                     |     |     |            |     |      |           |            | .1       |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 1  | 1     |    |    |
| 80/ 79       |                                     |     |     |            |     |      |           |            | .1       |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 1  | 1     |    |    |
| 78/ 77       |                                     |     |     | .1         | .1  |      |           | .2         | .2       |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 6  | 6     |    |    |
| 76/ 75       |                                     |     |     | .2         | .1  | .1   | .1        | .1         |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 5  | 5     |    |    |
| 74/ 73       |                                     |     |     |            | .1  | .1   | .2        |            | .3       | .3    |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 10 | 10    |    |    |
| 72/ 71       |                                     |     |     |            | .2  |      | .3        | .1         | .3       |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 9  | 9     | 2  |    |
| 70/ 69       |                                     | .3  | .6  | .1         | .1  | .1   | .1        | .4         | .2       |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 18 | 18    | 4  | 1  |
| 68/ 67       |                                     | .4  | .6  | .3         | .3  |      | .7        | .1         | .8       |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 29 | 29    | 8  | 5  |
| 66/ 65       | .2                                  | .4  | .1  | .2         | .7  | .7   | 1.3       | .8         |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 40 | 47    | 16 | 8  |
| 64/ 63       |                                     | .6  | .6  | .6         | .6  | .4   | .3        | .1         |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 30 | 30    | 16 | 14 |
| 62/ 61       | .2                                  | .4  | .9  | 1.0        | .9  | 1.0  | .8        | .1         | .1       |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 49 | 49    | 14 | 10 |
| 60/ 59       | .3                                  | 1.6 | 1.6 | .4         | .4  | 1.2  | .4        | .1         | .1       |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 56 | 56    | 29 | 16 |
| 58/ 57       | .1                                  | 1.3 | 1.0 | .4         | .8  | .4   | .2        |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 39 | 39    | 41 | 21 |
| 56/ 55       |                                     | 1.2 | .4  | .9         | 1.7 | .9   | 1.2       | .2         |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 59 | 59    | 61 | 30 |
| 54/ 53       | .2                                  | .4  | 1.1 | 1.0        | 1.1 | 1.3  | .8        |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 54 | 54    | 56 | 35 |
| 52/ 51       | .2                                  | 1.1 | 1.2 | 2.1        | 1.3 | 1.2  | .3        | .2         |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 70 | 70    | 47 | 31 |
| 50/ 49       | .2                                  | .6  | 1.0 | 1.4        | 2.6 | 1.9  | .9        |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 77 | 77    | 52 | 31 |
| 48/ 47       | .2                                  | .9  | 1.1 | 2.1        | 3.4 | 2.0  | .1        | .1         |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 90 | 90    | 50 | 30 |
| 46/ 45       | .1                                  | 1.2 | .3  | 1.4        | 2.0 | .9   |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 54 | 54    | 72 | 40 |
| 44/ 43       |                                     | .8  | .6  | 1.6        | 1.9 | .7   | .1        |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 50 | 50    | 65 | 35 |
| 42/ 41       |                                     | .3  | .6  | 1.6        | 1.3 |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 34 | 34    | 70 | 74 |
| 40/ 39       | .1                                  | 1.0 | 1.6 | 1.3        | 1.0 | .1   |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 46 | 46    | 79 | 42 |
| 38/ 37       | .4                                  | .1  | .8  | 1.7        | .3  |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 30 | 30    | 71 | 65 |
| 36/ 35       | .2                                  | .3  | 1.1 | .2         |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 17 | 17    | 56 | 33 |
| 34/ 33       | .4                                  | .2  | .3  | .1         |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 10 | 10    | 36 | 48 |
| 32/ 31       |                                     | .3  | .1  | .7         |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 10 | 10    | 37 | 58 |
| 30/ 29       |                                     |     | .1  | .2         |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 3  | 3     | 6  | 42 |
| 28/ 27       |                                     |     |     | .1         |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       | 1  | 1     | 6  | 66 |
| 26/ 25       |                                     |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       |    |       | 4  | 43 |
| 24/ 23       |                                     |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       |    | 2     | 56 |    |
| 22/ 21       |                                     |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       |    |       | 22 |    |
| 20/ 19       |                                     |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       |    |       | 11 |    |
| Element (X)  | $\Sigma X^2$                        |     |     | $\Sigma X$ |     |      | $\bar{X}$ | $\sigma_x$ | No. Obs. |       | Mean No. of Hours with Temperature |             |             |             |             |             |       | Total |      |          |          |           |  |  |  |  |  |  |  |  |  |       |    |       |    |    |
| Rel. Hum.    |                                     |     |     |            |     |      |           |            |          |       | $\leq 0 F$                         | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | Total |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       |    |       |    |    |
| Dry Bulb     |                                     |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       |    |       |    |    |
| Wet Bulb     |                                     |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       |    |       |    |    |
| Dew Point    |                                     |     |     |            |     |      |           |            |          |       |                                    |             |             |             |             |             |       |       |      |          |          |           |  |  |  |  |  |  |  |  |  |       |    |       |    |    |

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## PSYCHROMETRIC SUMMARY

YEARS

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## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

46-57

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PAGE 1 1500-1700  
HOURS S. T. 1

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477 4421

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| <u>724057</u> | <u>PHILLIPS/ABERDEEN MD</u> |
| STATION       | STATION NAME                |

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USAFETAC FORM 0-26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724057 PHILLIPS/ABERDEEN MD

98-57

NOV

PAGE 1 1800-2000

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|-----------|----------|----------|-----------|-------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18          | 19-20 | 21-22 | 23-24    | 25-26 | 27-28 | 29-30                              | ≥ 31   | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 72/ 71       |                                     |     | .1  |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 1         |          | 1        |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 70/ 69       |                                     | .2  |     | .1  | .1  |      |       |       |       |                |       |       |          |       |       |                                    |        | 4         |          | 4        |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 68/ 67       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 3         | 3     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 66/ 65       | .2                                  | 1.0 | .3  | .1  | .1  |      |       |       |       |                |       |       |          |       |       |                                    |        | 16        |          | 16       | 2         | 2     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 64/ 63       |                                     | .6  | .2  | .4  | .1  | .1   | .1    |       |       |                |       |       |          |       |       |                                    |        | 14        |          | 14       | 13        | 8     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     | 1.1 | .4  | .2  |     | .1   |       |       |       |                |       |       |          |       |       |                                    |        | 17        |          | 17       | 9         | 6     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       | .2                                  | 1.8 | .9  | .1  | .3  | .1   | .1    | .1    |       |                |       |       |          |       |       |                                    |        | 33        |          | 33       | 24        | 20    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       | .9                                  | 1.2 | .8  | .3  | .3  |      |       |       |       |                |       |       |          |       |       |                                    |        | 32        |          | 32       | 27        | 22    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       | .2                                  | 1.0 | .6  | .7  | .3  | .3   |       |       |       |                |       |       |          |       |       |                                    |        | 28        |          | 28       | 24        | 20    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       | .2                                  | 1.1 | 1.4 | .6  | .7  | .1   |       |       |       |                |       |       |          |       |       |                                    |        | 37        |          | 37       | 23        | 22    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       | .7                                  | 2.1 | 3.3 | 1.3 | .4  | .2   | .1    |       |       |                |       |       |          |       |       |                                    |        | 74        |          | 74       | 28        | 23    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       | .2                                  | 1.4 | 3.1 | 1.4 | .6  | .1   | .1    |       |       |                |       |       |          |       |       |                                    |        | 63        |          | 63       | 46        | 24    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 48/ 47       |                                     | 2.8 | 1.0 | 1.6 | .2  | .1   |       |       |       |                |       |       |          |       |       |                                    |        | 51        |          | 51       | 63        | 22    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 46/ 45       | .3                                  | 2.7 | 1.4 | 1.8 | .4  |      |       |       |       |                |       |       |          |       |       |                                    |        | 60        |          | 60       | 66        | 46    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 43       | .3                                  | 2.4 | 3.0 | 3.2 | .2  |      |       |       |       |                |       |       |          |       |       |                                    |        | 83        |          | 83       | 61        | 67    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 42/ 41       | .6                                  | 2.4 | 2.8 | 2.8 | .7  | .1   |       |       |       |                |       |       |          |       |       |                                    |        | 84        |          | 84       | 63        | 60    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 39       | .3                                  | 2.2 | 2.8 | 2.8 | .1  | .1   |       |       |       |                |       |       |          |       |       |                                    |        | 75        |          | 75       | 81        | 42    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 38/ 37       | .9                                  | 2.3 | 3.5 | .8  | .2  |      |       |       |       |                |       |       |          |       |       |                                    |        | 69        |          | 69       | 84        | 71    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 36/ 35       | .2                                  | 1.6 | 1.9 | 1.2 | .2  |      |       |       |       |                |       |       |          |       |       |                                    |        | 46        |          | 46       | 81        | 52    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 33       | .3                                  | 1.7 | 1.9 | .1  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 36        |          | 36       | 61        | 40    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 31       | .1                                  | 2.2 | 1.3 | .9  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 41        |          | 41       | 48        | 65    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 29       | .4                                  | .7  | .4  | .1  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 15        |          | 15       | 40        | 78    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 28/ 27       |                                     | .8  | .1  |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 8         |          | 8        | 26        | 54    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 26/ 25       | .1                                  | .3  | .4  |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 8         |          | 8        | 14        | 60    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 24/ 23       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 5         | 22    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 22/ 21       |                                     | .2  | .1  |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 3         |          | 3        | 3         | 22    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 20/ 19       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 3         | 16    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 18/ 17       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 6     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 16/ 15       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 16    |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 14/ 13       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 3     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 11       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 1     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 9        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 3     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 7         |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           | 2     |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Element (X)  | Σ x <sup>2</sup>                    |     |     | Σ x |     |      | Σ     |       |       | p <sub>x</sub> |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |        |           |          |          |           | Total |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F    | ≥ 73 F   | ≥ 80 F   | ≥ 93 F    | Total |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |

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## PSYCHROMETRIC SUMMARY

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**ALL**  
HOURS 11-5 P.

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |          |          |           |                                    |  |        |  |        |  |        |  |        |  | TOTAL<br>D.B. W.B. | TOTAL |       |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|-------|----------|----------|----------|-----------|------------------------------------|--|--------|--|--------|--|--------|--|--------|--|--------------------|-------|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24          | 25-26 | 27-28 | 29-30 | ≥ 31     | Dry Bulb | Wet Bulb | Dew Point |                                    |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 86/ 85       |                                     |     |     |     |     |      |       |       | .0    |       |       |       |                |       |       |       |          | 1        | 1        |           |                                    |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 84/ 83       |                                     |     |     |     |     |      |       |       | .0    |       |       |       |                |       |       |       |          | 1        | 1        |           |                                    |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 82/ 81       |                                     |     |     |     |     |      |       | .0    | .0    |       |       |       |                |       |       |       |          | 3        | 3        |           |                                    |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 80/ 79       |                                     |     |     |     |     |      |       | .0    | .0    |       |       |       |                |       |       |       |          | 2        | 2        |           |                                    |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 78/ 77       |                                     |     |     | .0  | .0  |      |       | .0    | .0    |       |       |       |                |       |       |       |          | 7        | 7        |           |                                    |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 76/ 75       |                                     |     |     | .0  | .0  | .0   |       | .0    |       | .0    |       |       |                |       |       |       |          | 11       | 11       |           |                                    |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 74/ 73       |                                     |     | .0  | .0  | .0  | .0   | .1    |       | .0    | .0    |       |       |                |       |       |       |          | 19       | 19       |           |                                    |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 72/ 71       | .0                                  |     | .0  | .0  | .0  | .0   | .1    | .0    | .1    | .0    |       |       |                |       |       |       |          | 22       | 22       | 5         | 1                                  |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 70/ 69       |                                     | .1  | .1  | .1  | .1  | .0   | .1    | .1    | .1    |       |       |       |                |       |       |       |          | 41       | 41       | 9         | 2                                  |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 68/ 67       | .0                                  | .3  | .2  | .1  | .1  | .0   | .1    | .1    | .1    |       |       |       |                |       |       |       |          | 69       | 69       | 30        | 20                                 |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 66/ 65       | .1                                  | .8  | .2  | .1  | .3  | .1   | .3    | .1    | .0    |       |       |       |                |       |       |       |          | 142      | 142      | 44        | 35                                 |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 64/ 63       | .1                                  | .4  | .2  | .3  | .2  | .2   | .2    | .0    |       |       |       |       |                |       |       |       |          | 121      | 121      | 97        | 73                                 |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 62/ 61       | .1                                  | .5  | .3  | .3  | .3  | .3   | .2    | .0    | .0    |       |       |       |                |       |       |       |          | 152      | 152      | 64        | 57                                 |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 60/ 59       | .4                                  | 1.2 | .8  | .3  | .2  | .4   | .1    | .1    | .0    | .0    |       |       |                |       |       |       |          | 258      | 258      | 135       | 102                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 58/ 57       | .5                                  | 1.8 | .7  | .3  | .4  | .2   | .0    | .0    |       |       |       |       |                |       |       |       |          | 281      | 281      | 210       | 133                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 56/ 55       | .4                                  | 1.4 | .5  | .7  | .6  | .4   | .2    | .1    |       |       |       |       |                |       |       |       |          | 311      | 311      | 290       | 180                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 54/ 53       | .5                                  | 1.0 | 1.0 | .6  | .6  | .3   | .2    |       |       |       |       |       |                |       |       |       |          | 303      | 303      | 266       | 246                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 52/ 51       | .6                                  | 1.7 | 1.3 | 1.0 | .5  | .3   | .1    | .0    |       |       |       |       |                |       |       |       |          | 399      | 399      | 278       | 213                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 50/ 49       | .6                                  | 1.7 | 1.2 | 1.1 | .8  | .6   | .1    | .0    |       |       |       |       |                |       |       |       |          | 447      | 447      | 361       | 211                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 48/ 47       | .2                                  | 1.8 | 1.2 | 1.3 | 1.3 | .5   | .1    | .0    |       |       |       |       |                |       |       |       |          | 459      | 459      | 350       | 237                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 46/ 45       | .4                                  | 2.4 | 1.4 | 1.4 | 1.1 | .3   | .0    |       |       |       |       |       |                |       |       |       |          | 505      | 505      | 419       | 285                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 44/ 43       | .3                                  | 2.4 | 1.7 | 1.6 | .8  | .2   | .0    |       |       |       |       |       |                |       |       |       |          | 502      | 502      | 448       | 340                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 42/ 41       | .5                                  | 2.2 | 1.6 | 1.6 | .6  | .1   |       |       |       |       |       |       |                |       |       |       |          | 469      | 469      | 530       | 454                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 40/ 39       | 1.1                                 | 2.5 | 2.1 | 1.6 | .3  | .0   |       |       |       |       |       |       |                |       |       |       |          | 554      | 554      | 610       | 410                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 38/ 37       | .9                                  | 2.2 | 2.2 | 1.0 | 1   |      |       |       |       |       |       |       |                |       |       |       |          | 463      | 463      | 611       | 484                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 36/ 35       | .9                                  | 2.2 | 1.9 | .8  | .1  |      |       |       |       |       |       |       |                |       |       |       |          | 413      | 413      | 555       | 378                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 34/ 33       | .8                                  | 2.2 | 1.7 | .3  | .0  |      |       |       |       |       |       |       |                |       |       |       |          | 359      | 359      | 482       | 440                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 32/ 31       | .4                                  | 2.3 | 1.0 | .4  |     |      |       |       |       |       |       |       |                |       |       |       |          | 296      | 296      | 435       | 501                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 30/ 29       | .5                                  | 1.9 | .8  | .1  |     |      |       |       |       |       |       |       |                |       |       |       |          | 234      | 234      | 362       | 485                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 28/ 27       | .3                                  | 1.5 | .3  | .0  |     |      |       |       |       |       |       |       |                |       |       |       |          | 150      | 150      | 250       | 474                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 26/ 25       | .1                                  | .7  | .3  |     |     |      |       |       |       |       |       |       |                |       |       |       |          | 82       | 82       | 159       | 424                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 24/ 23       | .1                                  | .4  | .2  |     |     |      |       |       |       |       |       |       |                |       |       |       |          | 48       | 48       | 77        | 331                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 22/ 21       | .0                                  | .4  | .1  |     |     |      |       |       |       |       |       |       |                |       |       |       |          | 40       | 40       | 51        | 226                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| 20/ 19       | .1                                  | .2  | .0  |     |     |      |       |       |       |       |       |       |                |       |       |       |          | 19       | 19       | 42        | 153                                |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| Element (X)  | Σ x <sup>2</sup>                    |     |     |     | Σ x |      |       |       | x̄    |       |       |       | s <sub>x</sub> |       |       |       | No. Obs. |          |          |           | Mean No. of Hours with Temperature |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |          |          |           | ± 0 F                              |  | ± 32 F |  | ± 67 F |  | ± 73 F |  | ± 80 F |  | ± 93 F             |       | Total |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |          |          |           |                                    |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |          |          |           |                                    |  |        |  |        |  |        |  |        |  |                    |       |       |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |          |          |           |                                    |  |        |  |        |  |        |  |        |  |                    |       |       |  |

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## PSYCHROMETRIC SUMMARY

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

724057 PHILLIPS/ABERDEEN MD

47-56

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STATION NAME

YEARS

PAGE 1 D300-0500

| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  | TOTAL |  | TOTAL |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|-----------|----------|----------|-----------|-------|--|--|--|--|--|--|--|--|--|-------|--|-------|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18          | 19-20 | 21-22 | 23-24    | 25-26 | 27-28 | 29-30                              | ≥ 31   | D.B. W.B. | Dry Bulb | Wet Bulb | Dew Point |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 62/ 61       |                                     | .2  |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 2         | 2        |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 60/ 59       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          | 2        |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 58/ 57       | .2                                  | .3  |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 5         | 5        | 3        | 5         |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 56/ 55       | .4                                  | .3  |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 7         | 7        | 8        | 8         |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 54/ 53       |                                     | .4  |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 4         | 4        | 1        | 1         |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 52/ 51       | .6                                  | .8  | .3  | .1  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 16        | 16       | 9        | 7         |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 50/ 49       | .7                                  | .6  |     | .1  |     | .2   |       |       |       |                |       |       |          |       |       |                                    |        | 14        | 14       | 17       | 14        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 48/ 47       | .8                                  | .4  |     | .2  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 13        | 13       | 12       | 12        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 46/ 45       | 1.3                                 | 2.0 | .2  | .1  | .4  |      |       |       |       |                |       |       |          |       |       |                                    |        | 37        | 37       | 21       | 18        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 44/ 43       | 1.5                                 | 1.7 | .4  | .4  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 36        | 36       | 36       | 34        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 42/ 41       | 2.7                                 | 1.6 | 1.1 |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 48        | 48       | 41       | 35        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 40/ 39       | 1.0                                 | 2.4 | 1.3 | .9  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 50        | 50       | 40       | 21        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 38/ 37       | 1.6                                 | 1.7 | 1.1 | .7  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 45        | 45       | 40       | 24        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 36/ 35       | 1.2                                 | 4.8 | 1.9 | .2  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 73        | 73       | 51       | 45        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 34/ 33       | 1.1                                 | 5.6 | 2.5 | .8  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 89        | 91       | 78       | 40        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 32/ 31       | 1.3                                 | 4.3 | 2.8 | .1  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 76        | 77       | 71       | 53        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 30/ 29       | 1.5                                 | 4.7 | 1.9 | .2  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 74        | 78       | 86       | 74        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 28/ 27       | .4                                  | 3.8 | 1.8 | .1  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 55        | 56       | 76       | 46        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 26/ 25       | .7                                  | 3.9 | 1.2 | .4  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 56        | 58       | 65       | 65        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 24/ 23       | 1.1                                 | 2.9 | 1.2 | .1  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 48        | 51       | 51       | 58        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 22/ 21       | .3                                  | 2.4 | 1.2 |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 35        | 35       | 40       | 50        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 20/ 19       | .4                                  | 2.0 | 1.2 | .1  |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 34        | 34       | 40       | 55        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 18/ 17       | .4                                  | 2.5 | .4  |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 30        | 30       | 28       | 45        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 16/ 15       | .3                                  | 2.1 | .3  |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 25        | 25       | 42       | 35        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 14/ 13       |                                     | .8  |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 7         | 7        | 12       | 29        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 12/ 11       |                                     | .3  |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 3         | 3        | 10       | 23        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 10/ 9        | .2                                  | .4  |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 6         | 6        | 4        | 25        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 8/ 7         |                                     | .4  |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        | 4         | 4        | 6        | 21        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 6/ 5         |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          | 2        | 11        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 4/ 3         |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 13        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 2/ 1         |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 13        |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| 0/ -1        |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 5         |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| -4/ -5       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 1         |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| -6/ -7       |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          | 2         |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Element (X)  | Σ X <sup>2</sup>                    |     |     | Σ X |     |      | Σ     |       |       | σ <sub>x</sub> |       |       | No. Obs. |       |       | Mean No. of Hours with Temperature |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       | ≤ 0 F                              | ≤ 32 F | ≥ 67 F    | ≥ 73 F   | ≥ 80 F   | ≥ 93 F    | Total |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |                |       |       |          |       |       |                                    |        |           |          |          |           |       |  |  |  |  |  |  |  |  |  |       |  |       |  |



## PSYCHROMETRIC SUMMARY

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STATION                      STATION NAME

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## PSYCHROMETRIC SUMMARY

47-56

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| Temp.<br>(F) | WET BULB TEMPERATURE DEPRESSION (F) |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          |                                    |           |        |  |        |  |        |  |        |  |        | TOTAL |       |  | TOTAL |  |  |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|-------|----------|------|------|----------|------------------------------------|-----------|--------|--|--------|--|--------|--|--------|--|--------|-------|-------|--|-------|--|--|
|              | 0                                   | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24          | 25-26 | 27-28 | 29-30 | +31      | D.B. | W.B. | Dry Bulb | Wet Bulb                           | Dew Point |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 64/ 63       |                                     |     |     | .1  | .1  |      |       |       |       |       |       |       |                |       |       |       |          | 2    |      | 2        |                                    |           |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 62/ 61       |                                     |     |     |     |     | .1   |       |       |       |       |       |       |                |       |       |       |          | 1    |      | 1        |                                    |           |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 60/ 59       | .2                                  | .4  | .1  | .3  |     | .2   |       |       |       |       |       |       |                |       |       |       |          | 12   |      | 12       | 3                                  | 2         |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 58/ 57       | .3                                  | .3  | .2  | .1  |     | .1   | .1    | .1    |       |       |       |       |                |       |       |       |          | 12   |      | 12       | 6                                  | 7         |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 56/ 55       | .1                                  | .4  | .3  | .3  |     | .2   |       |       |       |       |       |       |                |       |       |       |          | 13   |      | 13       | 11                                 | 4         |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 54/ 53       | .4                                  | .8  | .3  |     | .2  | .2   |       |       |       |       |       |       |                |       |       |       |          | 18   |      | 18       | 10                                 | 11        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 52/ 51       |                                     | .9  | .3  | .2  | .1  | .1   |       |       |       |       |       |       |                |       |       |       |          | 15   |      | 15       | 14                                 | 10        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 50/ 49       | .6                                  | 1.0 | .7  | .4  | .6  | .4   |       |       |       |       |       |       |                |       |       |       |          | 33   |      | 33       | 19                                 | 16        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 48/ 47       | 2.1                                 | 1.8 | .6  | .4  | .8  | .2   |       |       |       |       |       |       |                |       |       |       |          | 53   |      | 53       | 33                                 | 30        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 46/ 45       | .9                                  | 1.9 | 1.3 | .6  | .2  | .3   |       |       |       |       |       |       |                |       |       |       |          | 47   |      | 47       | 38                                 | 22        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 44/ 43       | .7                                  | 1.7 | 1.6 | 1.7 | .4  | .1   |       |       |       |       |       |       |                |       |       |       |          | 55   |      | 55       | 39                                 | 31        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 42/ 41       | 1.0                                 | 1.8 | 1.7 | 1.9 | .6  |      |       |       |       |       |       |       |                |       |       |       |          | 62   |      | 62       | 50                                 | 34        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 40/ 39       | 1.1                                 | 1.7 | 3.4 | 2.6 | .6  |      |       |       |       |       |       |       |                |       |       |       |          | 83   |      | 84       | 54                                 | 31        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 38/ 37       | .7                                  | 2.8 | 2.5 | 3.5 |     |      |       |       |       |       |       |       |                |       |       |       |          | 84   |      | 84       | 67                                 | 34        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 36/ 35       | .4                                  | 3.1 | 4.3 | 2.4 | .2  |      |       |       |       |       |       |       |                |       |       |       |          | 93   |      | 97       | 81                                 | 42        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 34/ 33       | .6                                  | 3.7 | 3.4 | .8  | .2  |      |       |       |       |       |       |       |                |       |       |       |          | 77   |      | 80       | 95                                 | 40        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 32/ 31       | .8                                  | 2.1 | 2.2 | 1.7 | .3  |      |       |       |       |       |       |       |                |       |       |       |          | 64   |      | 77       | 107                                | 69        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 30/ 29       | .4                                  | 1.7 | 1.7 | 1.3 | .1  |      |       |       |       |       |       |       |                |       |       |       |          | 47   |      | 48       | 66                                 | 84        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 28/ 27       | .4                                  | 1.7 | 1.7 | .8  |     |      |       |       |       |       |       |       |                |       |       |       |          | 41   |      | 42       | 46                                 | 49        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 26/ 25       | .2                                  | .6  | 1.5 | .6  |     |      |       |       |       |       |       |       |                |       |       |       |          | 25   |      | 25       | 47                                 | 80        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 24/ 23       |                                     | .7  | 2.1 | .2  |     |      |       |       |       |       |       |       |                |       |       |       |          | 27   |      | 27       | 28                                 | 52        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 22/ 21       |                                     | .6  | .4  | .1  |     |      |       |       |       |       |       |       |                |       |       |       |          | 10   |      | 10       | 28                                 | 63        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 20/ 19       |                                     | .1  | .2  |     |     |      |       |       |       |       |       |       |                |       |       |       |          | 3    |      | 3        | 22                                 | 32        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 18/ 17       |                                     | .3  | .1  |     |     |      |       |       |       |       |       |       |                |       |       |       |          | 4    |      | 4        | 7                                  | 22        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 16/ 15       |                                     | .2  | .3  |     |     |      |       |       |       |       |       |       |                |       |       |       |          | 5    |      | 5        | 5                                  | 25        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 14/ 13       |                                     | .2  | .1  |     |     |      |       |       |       |       |       |       |                |       |       |       |          | 3    |      | 3        | 4                                  | 16        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 12/ 11       |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          | 5                                  | 27        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 10/ 9        |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          |                                    | 12        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 8/ 7         |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          |                                    | 15        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 6/ 5         |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          |                                    | 5         |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 4/ 3         |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          |                                    | 10        |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 2/ 1         |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          |                                    | 7         |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| 0/ -1        |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          |                                    | 3         |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| -2/ -3       |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          |                                    | 2         |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| Element (X)  | ΣX'                                 |     |     |     | ΣX  |      |       |       | Σ     |       |       |       | Σ <sub>s</sub> |       |       |       | No. Obs. |      |      |          | Mean No. of Hours with Temperature |           |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| Rel. Hum.    |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          | ≤ 0 F                              |           | ≥ 32 F |  | ≥ 67 F |  | ≥ 73 F |  | ≥ 80 F |  | ≥ 93 F |       | Total |  |       |  |  |
| Dry Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          |                                    |           |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| Wet Bulb     |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          |                                    |           |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |
| Dew Point    |                                     |     |     |     |     |      |       |       |       |       |       |       |                |       |       |       |          |      |      |          |                                    |           |        |  |        |  |        |  |        |  |        |       |       |  |       |  |  |

USAFETAC FORM 0-26.3 (OL A); PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## PSYCHROMETRIC SUMMARY

DEC

PAGE 2 ~~0900-1100~~

[illegible]



## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

47-56

DEC

PAGE 2 ~~1200-1400~~

[illegible]

947, 4321

DEC

YEARS

MONTH

NO. 25 S. T. 1

**USAFETAC** FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 73



## PSYCHROMETRIC SUMMARY

|               |                             |
|---------------|-----------------------------|
| <u>724057</u> | <u>PHILLIPS/ABERDEEN MD</u> |
| STATION       | STATION NAME                |

47-56

DEC

PAGE 2      1500-1700  
HOURS L. S. T.

[illegible]

9477 54321

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

47-56

YEARS

DEC  
MONTH

PAGE 1 1800-2000  
HOURS ... S. T. I.

USAFETAC FORM 0-26-3 (OL A; PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 7)

## PSYCHROMETRIC SUMMARY

724057      PHILLIPS/ABERDEEN MD  
STATION      STATION NAME

47-56

DEC

PAGE 2 1800-2000  
NO. 185 S. T.

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 71

## YEARS

DEC  
MONTH

PAGE 1 2100-2300  
MOORS C. S. T.

[illegible]

## PSYCHROMETRIC SUMMARY

47-56

DEC  
MONY

PAGE 2 2100-2300  
HOURS S. T. T.

[illegible]

USAFETAC FORM 0-26-3 (OL A; PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 71)











## RELATIVE HUMIDITY

44-57

PERIOD

| MONTH  | HOURS<br>LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NUMBER<br>OBS. |
|--------|--------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |              | 10   | 20    | 30    | 40   | 50   | 60   | 70   | 80   | 90   |                              |                         |
| JAN    | 01-02        | 100.0  | 100.0 | 100.0 | 99.0 | 95.7 | 85.0 | 70.5 | 50.3 | 26.9 | 75.4                         | 10                      |
|        | 03-05        | 100.0  | 100.0 | 99.0  | 99.4 | 96.7 | 87.7 | 71.3 | 51.9 | 31.4 | 74.5                         | 10                      |
|        | 06-08        | 100.0  | 100.0 | 99.9  | 99.3 | 95.9 | 86.2 | 72.9 | 53.2 | 31.8 | 70.8                         | 10                      |
|        | 09-11        | 100.0  | 99.9  | 99.4  | 96.2 | 87.6 | 69.7 | 52.9 | 37.4 | 19.8 | 70.1                         | 10                      |
|        | 12-14        | 100.0  | 99.0  | 98.3  | 93.6 | 76.4 | 57.0 | 39.6 | 25.0 | 13.6 | 58.7                         | 10                      |
|        | 15-17        | 100.0  | 100.0 | 98.7  | 94.4 | 87.7 | 64.6 | 42.4 | 26.5 | 14.3 | 61.1                         | 10                      |
|        | 18-20        | 100.0  | 100.0 | 99.4  | 97.1 | 89.7 | 75.7 | 57.0 | 39.4 | 17.3 | 71.7                         | 10                      |
|        | 21-23        | 100.0  | 100.0 | 99.9  | 98.0 | 93.0 | 79.7 | 63.4 | 47.4 | 23.3 | 76.1                         | 10                      |
| TOTALS |              | 100.0  | 100.0 | 99.4  | 97.2 | 89.7 | 76.0 | 58.9 | 41.4 | 22.3 | 70.1                         | 100                     |

GENERAL CLIMATOLOGY BRANCH  
AERIAL  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

72457  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

49-57

PERIOD

777  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |                | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| FEB    | 00-02          | 100.0  | 100.0 | 100.0 | 99.1 | 94.9 | 83.9 | 68.8 | 49.3 | 28.5 | 78.1                         | 844                     |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 99.5 | 96.2 | 86.6 | 72.2 | 53.8 | 37.3 | 79.6                         | 844                     |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 99.2 | 94.9 | 84.7 | 69.4 | 51.2 | 30.0 | 78.7                         | 844                     |
|        | 09-11          | 100.0  | 99.9  | 98.8  | 94.6 | 80.9 | 63.8 | 48.8 | 34.8 | 21.6 | 70.2                         | 843                     |
|        | 12-14          | 100.0  | 99.6  | 97.5  | 87.3 | 68.4 | 55.6 | 37.9 | 25.2 | 14.8 | 64.3                         | 844                     |
|        | 15-17          | 100.0  | 99.8  | 96.4  | 88.0 | 71.1 | 55.4 | 40.1 | 24.0 | 14.2 | 64.8                         | 843                     |
|        | 18-20          | 100.0  | 100.0 | 98.9  | 95.5 | 85.0 | 70.1 | 51.7 | 35.6 | 21.0 | 71.6                         | 846                     |
|        | 21-23          | 100.0  | 100.0 | 99.2  | 98.3 | 93.1 | 80.1 | 61.8 | 41.5 | 24.4 | 75.8                         | 844                     |
|        |                |  |       |       |      |      |      |      |      |      |                              |                         |
|        |                |  |       |       |      |      |      |      |      |      |                              |                         |
|        |                |  |       |       |      |      |      |      |      |      |                              |                         |
| TOTALS |                | 100.0  | 99.9  | 98.9  | 95.2 | 85.6 | 72.5 | 56.3 | 39.5 | 23.1 | 72.9                         | 6756                    |

## RELATIVE HUMIDITY

PERIOD

MAF  
MONI

| MONTH  | HOURS<br>LAST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|---------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |               | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                         |
| MAR    | 00-02         | 100.0  | 100.0 | 99.8  | 98.3 | 91.3 | 80.1 | 64.0 | 47.5 | 26.0 | 76.3                         | 926                     |
|        | 03-05         | 100.0  | 100.0 | 100.0 | 99.1 | 92.8 | 83.5 | 66.0 | 50.8 | 28.5 | 77.9                         | 930                     |
|        | 06-08         | 100.0  | 100.0 | 100.0 | 97.8 | 91.6 | 81.4 | 65.4 | 47.1 | 29.1 | 77.1                         | 930                     |
|        | 09-11         | 100.0  | 100.0 | 98.4  | 92.0 | 75.2 | 56.8 | 42.1 | 29.7 | 16.6 | 67.6                         | 928                     |
|        | 12-14         | 100.0  | 99.9  | 94.6  | 80.5 | 62.8 | 47.9 | 34.0 | 22.4 | 13.9 | 61.5                         | 927                     |
|        | 15-17         | 100.0  | 99.8  | 94.8  | 80.6 | 62.7 | 47.8 | 32.7 | 22.5 | 11.8 | 61.1                         | 930                     |
|        | 18-20         | 100.0  | 99.9  | 99.5  | 91.9 | 79.6 | 60.5 | 42.8 | 28.9 | 17.9 | 67.8                         | 928                     |
|        | 21-23         | 100.0  | 100.0 | 99.7  | 96.2 | 87.5 | 74.1 | 55.1 | 37.4 | 23.0 | 73.1                         | 927                     |
|        |               |  |       |       |      |      |      |      |      |      |                              |                         |
|        |               |  |       |       |      |      |      |      |      |      |                              |                         |
|        |               |  |       |       |      |      |      |      |      |      |                              |                         |
| TOTALS |               | 100.0  | 100.0 | 98.4  | 92.1 | 80.4 | 66.5 | 50.3 | 35.7 | 21.1 | 70.2                         | 7428                    |

724-57  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

49-57

ADP  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|----------------|--|-------|------|------|------|------|------|------|------|------------------------------|-------------------------|
|        |                | 10°  | 20°   | 30°  | 40°  | 50°  | 60°  | 70°  | 80°  | 90°  |                              |                         |
| APR    | 00-02          | 100.0  | 100.0 | 99.6 | 98.9 | 96.7 | 90.3 | 73.4 | 51.2 | 24.1 | 74.3                         | 900                     |
|        | 03-05          | 100.0  | 100.0 | 99.7 | 99.1 | 97.2 | 92.2 | 77.9 | 57.6 | 31.1 | 81.3                         | 900                     |
|        | 06-08          | 100.0  | 100.0 | 99.7 | 98.9 | 95.2 | 84.1 | 66.1 | 44.3 | 25.0 | 77.2                         | 900                     |
|        | 09-11          | 100.0  | 100.0 | 98.6 | 92.1 | 79.0 | 57.4 | 38.8 | 23.5 | 12.2 | 65.7                         | 899                     |
|        | 12-14          | 100.0  | 99.9  | 95.0 | 83.1 | 64.9 | 43.8 | 31.1 | 18.4 | 9.3  | 60.3                         | 900                     |
|        | 15-17          | 100.0  | 100.0 | 94.9 | 81.8 | 63.4 | 44.1 | 27.9 | 16.4 | 8.2  | 59.5                         | 900                     |
|        | 18-20          | 100.0  | 99.8  | 98.3 | 93.7 | 81.6 | 62.3 | 42.2 | 27.0 | 13.1 | 67.4                         | 900                     |
|        | 21-23          | 100.0  | 100.0 | 99.2 | 98.4 | 93.0 | 81.6 | 60.9 | 38.7 | 18.9 | 74.9                         | 900                     |
|        |                |  |       |      |      |      |      |      |      |      |                              |                         |
|        |                |  |       |      |      |      |      |      |      |      |                              |                         |
|        |                |  |       |      |      |      |      |      |      |      |                              |                         |
| TOTALS |                | 100.0  | 100.0 | 98.1 | 93.3 | 83.9 | 69.5 | 52.3 | 34.6 | 17.7 | 70.7                         | 7199                    |

724 57  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

42-57

PERIOD

MAY  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS |      |
|--------|----------------|--|-------|-------|------|------|------|------|------|------------------------------|------------------------|------|
|        |                | 10°  | 20°   | 30°   | 40°  | 50°  | 60°  | 70°  | 80°  |                              |                        | 90   |
| MAY    | 00-02          | 100.0  | 100.0 | 100.0 | 99.9 | 97.6 | 93.4 | 81.9 | 64.9 | 37.4                         | 63.6                   | 930  |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 99.9 | 98.7 | 95.9 | 86.9 | 72.9 | 45.4                         | 66.3                   | 930  |
|        | 06-08          | 100.0  | 100.0 | 99.9  | 99.4 | 94.1 | 84.2 | 71.1 | 50.6 | 25.8                         | 78.5                   | 930  |
|        | 09-11          | 100.0  | 99.9  | 98.1  | 90.3 | 75.4 | 57.3 | 41.1 | 23.5 | 9.6                          | 65.1                   | 930  |
|        | 12-14          | 100.0  | 99.5  | 94.7  | 79.0 | 63.0 | 44.2 | 27.5 | 15.2 | 5.5                          | 58.5                   | 930  |
|        | 15-17          | 100.0  | 99.6  | 93.6  | 80.1 | 63.9 | 46.2 | 30.0 | 16.7 | 5.7                          | 59.4                   | 929  |
|        | 18-20          | 100.0  | 100.0 | 99.1  | 94.0 | 84.1 | 66.6 | 48.9 | 29.6 | 11.6                         | 69.3                   | 930  |
|        | 21-23          | 100.0  | 100.0 | 99.7  | 99.0 | 95.9 | 86.9 | 73.3 | 53.4 | 25.6                         | 79.2                   | 929  |
|        |                |  |       |       |      |      |      |      |      |                              |                        |      |
|        |                |  |       |       |      |      |      |      |      |                              |                        |      |
|        |                |  |       |       |      |      |      |      |      |                              |                        |      |
|        |                |  |       |       |      |      |      |      |      |                              |                        |      |
| TOTALS |                | 100.0  | 99.9  | 98.1  | 92.7 | 84.1 | 71.8 | 57.6 | 40.9 | 20.8                         | 72.5                   | 7438 |



2

## 1

JUL  
MONTH

## 1

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0-87-5 (OL A)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

42-57

PERIOD

AUG  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

| MONTH  | HOURS<br>(LST.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|--------|-----------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-------------------------|
|        |                 | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                         |
| AUG    | 00-02           | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 98.8 | 95.5 | 85.8 | 45.8 | 88.7                         | 918                     |
|        | 03-05           | 100.0  | 100.0 | 100.0 | 100.0 | 99.9  | 99.2 | 96.3 | 87.9 | 50.8 | 89.7                         | 918                     |
|        | 06-08           | 100.0  | 100.0 | 100.0 | 100.0 | 99.0  | 94.8 | 85.2 | 65.6 | 31.7 | 83.4                         | 918                     |
|        | 09-11           | 100.0  | 100.0 | 99.2  | 96.6  | 84.4  | 64.1 | 41.4 | 23.3 | 7.0  | 67.3                         | 922                     |
|        | 12-14           | 100.0  | 100.0 | 98.6  | 88.3  | 68.8  | 44.0 | 26.5 | 11.8 | 2.4  | 59.7                         | 924                     |
|        | 15-17           | 100.0  | 100.0 | 99.6  | 90.9  | 71.8  | 49.7 | 27.9 | 13.6 | 3.8  | 61.4                         | 924                     |
|        | 18-20           | 100.0  | 100.0 | 100.0 | 99.5  | 95.5  | 85.7 | 69.2 | 39.8 | 11.2 | 75.6                         | 921                     |
|        | 21-23           | 100.0  | 100.0 | 100.0 | 100.0 | 99.8  | 98.3 | 92.3 | 75.0 | 34.1 | 85.8                         | 921                     |
|        |                 |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                 |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                 |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                 |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                 |  |       |       |       |       |      |      |      |      |                              |                         |
|        |                 |  |       |       |       |       |      |      |      |      |                              |                         |
| TOTALS |                 | 100.0  | 100.0 | 99.7  | 96.9  | 89.9  | 79.3 | 66.8 | 50.4 | 23.4 | 76.5                         | 7366                    |

724057 PHILLIPS/ABERDEEN MD  
STATION STATION NAME

48-57

SEP  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-----------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |                              |                       |
| SEP    | 00-02          | 100.0  | 100.0 | 100.0 | 100.0 | 99.7  | 97.8 | 93.6 | 82.4 | 52.4 | 88.6                         | 900                   |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 98.9 | 95.8 | 86.1 | 55.7 | 90.0                         | 897                   |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 99.8  | 99.6  | 95.4 | 86.1 | 68.0 | 34.0 | 84.3                         | 899                   |
|        | 09-11          | 100.0  | 100.0 | 99.7  | 97.4  | 83.7  | 65.6 | 44.1 | 20.9 | 6.2  | 67.3                         | 900                   |
|        | 12-14          | 100.0  | 99.7  | 98.6  | 86.8  | 64.3  | 43.4 | 23.1 | 10.8 | 3.3  | 58.6                         | 900                   |
|        | 15-17          | 100.0  | 99.7  | 99.0  | 90.9  | 71.9  | 51.0 | 30.4 | 13.9 | 4.9  | 61.8                         | 900                   |
|        | 18-20          | 100.0  | 99.9  | 99.9  | 99.6  | 98.3  | 90.1 | 73.3 | 47.1 | 16.0 | 78.2                         | 900                   |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 100.0 | 99.2  | 96.9 | 92.0 | 72.8 | 36.4 | 85.7                         | 900                   |
|        |                |  |       |       |       |       |      |      |      |      |                              |                       |
|        |                |  |       |       |       |       |      |      |      |      |                              |                       |
|        |                |  |       |       |       |       |      |      |      |      |                              |                       |
|        |                |  |       |       |       |       |      |      |      |      |                              |                       |
| TOTALS |                | 100.0  | 99.9  | 99.7  | 96.8  | 89.6  | 79.9 | 67.3 | 50.3 | 26.1 | 76.8                         | 7196                  |

2

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

724057  
STATIONPHILLIPS/ABERDEEN MD  
STATION NAME

48-57

PERIOD

OCT  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-----------------------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                       |
| OCT    | 00-02          | 100.0  | 100.0 | 100.0 | 99.8  | 98.8 | 95.6 | 88.4 | 71.2 | 39.9 | 85.4                         | 930                   |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 98.9 | 96.3 | 91.0 | 72.7 | 47.4 | 86.8                         | 930                   |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 99.9  | 99.0 | 94.8 | 85.5 | 65.3 | 37.4 | 84.4                         | 930                   |
|        | 09-11          | 100.0  | 100.0 | 99.2  | 94.9  | 80.9 | 61.7 | 41.3 | 23.5 | 9.1  | 66.8                         | 930                   |
|        | 12-14          | 100.0  | 99.4  | 96.3  | 84.3  | 63.9 | 41.2 | 23.6 | 13.0 | 4.7  | 58.3                         | 929                   |
|        | 15-17          | 100.0  | 99.9  | 97.4  | 89.4  | 71.6 | 50.2 | 31.0 | 17.0 | 5.2  | 61.9                         | 927                   |
|        | 18-20          | 100.0  | 100.0 | 99.9  | 99.2  | 96.7 | 87.7 | 73.0 | 41.7 | 15.4 | 77.2                         | 930                   |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 99.6  | 98.2 | 94.9 | 84.0 | 62.9 | 31.2 | 83.1                         | 930                   |
|        |                |  |       |       |       |      |      |      |      |      |                              |                       |
|        |                |  |       |       |       |      |      |      |      |      |                              |                       |
|        |                |  |       |       |       |      |      |      |      |      |                              |                       |
|        |                |  |       |       |       |      |      |      |      |      |                              |                       |
|        |                |  |       |       |       |      |      |      |      |      |                              |                       |
| TOTALS |                | 100.0  | 99.9  | 99.1  | 95.9  | 88.5 | 77.8 | 64.7 | 45.9 | 23.8 | 75.5                         | 7436                  |

USAFETAC

FORM  
JUL 64

0-87.5 (OL A)

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

48-57

PERIOD

NOV  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |       |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |      |
|--------|----------------|--|-------|-------|-------|------|------|------|------|------------------------------|-----------------------|------|
|        |                | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%                          |                       |      |
| NOV    | 00-02          | 100.0  | 100.0 | 100.0 | 99.9  | 98.7 | 93.6 | 80.0 | 60.4 | 33.0                         | 82.4                  | 900  |
|        | 03-05          | 100.0  | 100.0 | 100.0 | 100.0 | 99.1 | 92.1 | 81.4 | 65.9 | 40.2                         | 83.5                  | 900  |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 99.9  | 98.3 | 92.6 | 78.6 | 63.7 | 36.2                         | 82.7                  | 900  |
|        | 09-11          | 100.0  | 100.0 | 99.6  | 96.8  | 84.8 | 64.3 | 45.7 | 28.4 | 14.6                         | 69.3                  | 900  |
|        | 12-14          | 100.0  | 100.0 | 98.7  | 87.8  | 64.8 | 43.9 | 30.8 | 19.3 | 9.3                          | 61.3                  | 900  |
|        | 15-17          | 100.0  | 99.9  | 99.3  | 92.3  | 76.1 | 54.2 | 36.8 | 20.3 | 11.2                         | 64.8                  | 900  |
|        | 18-20          | 100.0  | 100.0 | 99.9  | 98.9  | 95.0 | 81.1 | 62.7 | 38.6 | 18.4                         | 75.2                  | 898  |
|        | 21-23          | 100.0  | 100.0 | 100.0 | 99.6  | 98.3 | 91.6 | 76.4 | 53.0 | 25.5                         | 80.2                  | 897  |
| TOTALS |                | 100.0  | 100.0 | 99.7  | 96.9  | 89.4 | 76.7 | 61.6 | 43.7 | 23.6                         | 74.9                  | 7195 |

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

724057  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

47-56

05 C  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |       |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|-----------------------|
|        |                | 10%  | 20%   | 30%   | 40%  | 50%  | 60%  | 70%  | 80%  | 90   |                              |                       |
| DEC    | 00-02          | 99.9   | 99.9  | 99.9  | 98.8 | 95.4 | 86.7 | 72.0 | 51.9 | 29.2 | 79.0                         | 894                   |
|        | 03-05          | 99.8   | 99.8  | 99.8  | 99.1 | 95.9 | 88.3 | 72.8 | 54.7 | 31.6 | 79.7                         | 892                   |
|        | 06-08          | 100.0  | 100.0 | 100.0 | 99.7 | 97.3 | 87.9 | 75.4 | 55.0 | 31.6 | 80.2                         | 889                   |
|        | 09-11          | 100.0  | 100.0 | 99.6  | 97.0 | 87.1 | 76.6 | 51.5 | 36.2 | 20.8 | 72.0                         | 889                   |
|        | 12-14          | 100.0  | 100.0 | 99.1  | 91.0 | 73.0 | 55.7 | 34.5 | 20.7 | 12.4 | 64.6                         | 892                   |
|        | 15-17          | 100.0  | 100.0 | 99.2  | 94.5 | 81.5 | 66.9 | 47.0 | 28.0 | 14.6 | 69.0                         | 897                   |
|        | 18-20          | 100.0  | 100.0 | 100.0 | 97.9 | 91.2 | 79.8 | 61.0 | 42.5 | 21.5 | 75.1                         | 897                   |
|        | 21-23          | 100.0  | 100.0 | 99.9  | 98.7 | 94.2 | 84.4 | 68.3 | 49.5 | 28.0 | 78.0                         | 897                   |
|        |                |  |       |       |      |      |      |      |      |      |                              |                       |
|        |                |  |       |       |      |      |      |      |      |      |                              |                       |
|        |                |  |       |       |      |      |      |      |      |      |                              |                       |
|        |                |  |       |       |      |      |      |      |      |      |                              |                       |
| TOTALS |                | 100.0  | 100.0 | 99.7  | 97.1 | 89.5 | 77.5 | 60.3 | 42.3 | 23.6 | 74.7                         | 7147                  |

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

724257  
STATION

PHILLIPS/ABERDEEN MD  
STATION NAME

47-57

PERIOD

ALL  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH  | HOURS<br>(LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN |       |      |      |      |      |      |      |      | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--|-------|------|------|------|------|------|------|------|------------------------------|-----------------------|
|        |                | 10%  | 20%   | 30%  | 40%  | 50%  | 60%  | 70%  | 80%  | 90%  |                              |                       |
| JAN    | ALL            | 100.0  | 100.0 | 99.4 | 97.2 | 89.7 | 76.0 | 58.9 | 41.4 | 22.3 | 74.2                         | 7219                  |
| FEB    |                | 100.0  | 99.9  | 98.9 | 95.2 | 85.6 | 72.5 | 56.3 | 39.5 | 23.1 | 72.5                         | 6756                  |
| MAR    |                | 100.0  | 100.0 | 98.4 | 92.1 | 80.4 | 66.5 | 50.3 | 35.7 | 21.1 | 70.2                         | 7428                  |
| APR    |                | 100.0  | 100.0 | 98.1 | 93.3 | 83.9 | 69.5 | 52.3 | 34.6 | 17.7 | 70.7                         | 7199                  |
| MAY    |                | 100.0  | 99.9  | 98.1 | 92.7 | 84.1 | 71.8 | 57.6 | 40.9 | 20.8 | 72.5                         | 7438                  |
| JUN    |                | 100.0  | 99.9  | 99.3 | 95.9 | 87.6 | 74.2 | 58.7 | 42.8 | 19.5 | 73.5                         | 7198                  |
| JUL    |                | 100.0  | 100.0 | 99.4 | 94.7 | 85.9 | 72.9 | 58.1 | 40.4 | 16.6 | 72.6                         | 7439                  |
| AUG    |                | 100.0  | 100.0 | 99.7 | 96.9 | 89.9 | 79.3 | 66.8 | 50.4 | 23.4 | 76.5                         | 7366                  |
| SEP    |                | 100.0  | 99.9  | 99.7 | 96.8 | 89.6 | 79.9 | 67.3 | 50.3 | 26.1 | 76.8                         | 7196                  |
| OCT    |                | 100.0  | 99.9  | 99.1 | 95.9 | 88.5 | 77.8 | 64.7 | 45.9 | 23.8 | 75.5                         | 7436                  |
| NOV    |                | 100.0  | 100.0 | 99.7 | 96.9 | 89.4 | 76.7 | 61.6 | 43.7 | 23.6 | 74.9                         | 7195                  |
| DEC    |                | 100.0  | 100.0 | 99.7 | 97.1 | 89.5 | 77.5 | 60.3 | 42.3 | 23.6 | 74.7                         | 7147                  |
| TOTALS |                | 100.0  | 100.0 | 99.1 | 95.4 | 87.0 | 74.6 | 59.4 | 42.3 | 21.8 | 73.6                         | 87017                 |

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

724057 PHILLIPS/ABERDEEN MD

47-57

| HR        | MEAN      | JAN    | FEB   | MAR    | APR    | MAY   | JUN   | JUL   | AUG   | SEP   | OCT    | NOV    | DEC   | ANNUAL |
|-----------|-----------|--------|-------|--------|--------|-------|-------|-------|-------|-------|--------|--------|-------|--------|
| 00-02     | MEAN      | 31.7   | 33.1  | 37.7   | 47.6   | 56.1  | 64.7  | 70.0  | 67.6  | 60.8  | 51.7   | 41.2   | 33.1  | 49.8   |
|           | S.D.      | 9.639  | 8.714 | 8.825  | 8.554  | 7.110 | 6.596 | 5.551 | 5.739 | 8.155 | 8.646  | 9.932  | 9.555 | 15.851 |
|           | TOTAL OBS | 903    | 849   | 930    | 900    | 930   | 900   | 930   | 930   | 900   | 930    | 900    | 906   | 10908  |
| 03-05     | MEAN      | 31.1   | 31.9  | 36.2   | 45.8   | 54.4  | 63.3  | 68.4  | 66.3  | 59.4  | 50.2   | 39.9   | 32.2  | 48.4   |
|           | S.D.      | 9.970  | 9.021 | 8.916  | 8.535  | 7.445 | 6.838 | 5.713 | 6.324 | 8.515 | 8.881  | 9.978  | 9.606 | 15.819 |
|           | TOTAL OBS | 903    | 849   | 930    | 900    | 930   | 900   | 930   | 930   | 900   | 930    | 900    | 905   | 10907  |
| 06-08     | MEAN      | 30.9   | 32.0  | 37.2   | 48.6   | 58.8  | 68.6  | 73.3  | 70.2  | 62.5  | 51.8   | 40.4   | 32.4  | 50.7   |
|           | S.D.      | 10.084 | 9.394 | 9.036  | 8.514  | 7.117 | 6.958 | 5.529 | 5.817 | 8.244 | 8.883  | 9.840  | 9.644 | 17.368 |
|           | TOTAL OBS | 902    | 848   | 930    | 900    | 930   | 900   | 930   | 930   | 900   | 930    | 900    | 906   | 10906  |
| 09-11     | MEAN      | 35.5   | 38.0  | 43.7   | 55.5   | 65.6  | 75.5  | 80.8  | 77.9  | 70.8  | 60.7   | 48.2   | 38.1  | 57.7   |
|           | S.D.      | 9.109  | 9.299 | 9.636  | 9.266  | 8.000 | 8.046 | 5.835 | 6.145 | 7.523 | 8.168  | 9.606  | 8.741 | 18.005 |
|           | TOTAL OBS | 903    | 849   | 930    | 900    | 930   | 900   | 930   | 930   | 900   | 930    | 900    | 905   | 10907  |
| 12-14     | MEAN      | 39.4   | 42.4  | 48.2   | 59.5   | 69.8  | 79.3  | 84.5  | 81.8  | 75.0  | 65.3   | 52.3   | 42.1  | 61.8   |
|           | S.D.      | 9.327  | 9.548 | 10.495 | 10.047 | 8.627 | 8.557 | 6.194 | 6.313 | 7.977 | 8.722  | 10.061 | 9.037 | 18.131 |
|           | TOTAL OBS | 903    | 849   | 930    | 900    | 930   | 900   | 930   | 930   | 900   | 930    | 900    | 906   | 10908  |
| 15-17     | MEAN      | 38.9   | 42.3  | 48.7   | 59.9   | 69.8  | 79.0  | 83.8  | 81.3  | 73.9  | 63.8   | 50.4   | 40.5  | 61.2   |
|           | S.D.      | 9.402  | 9.413 | 10.357 | 9.905  | 8.601 | 8.248 | 6.299 | 5.951 | 7.773 | 8.503  | 9.802  | 8.875 | 18.099 |
|           | TOTAL OBS | 903    | 849   | 930    | 900    | 930   | 900   | 930   | 930   | 900   | 929    | 900    | 906   | 10907  |
| 18-20     | MEAN      | 35.2   | 37.7  | 43.8   | 54.7   | 64.3  | 73.4  | 78.3  | 74.8  | 66.7  | 56.7   | 45.1   | 36.3  | 55.8   |
|           | S.D.      | 8.883  | 8.572 | 9.257  | 8.882  | 7.531 | 7.081 | 5.492 | 5.578 | 7.629 | 7.822  | 9.222  | 8.885 | 17.126 |
|           | TOTAL OBS | 903    | 849   | 930    | 900    | 930   | 900   | 930   | 930   | 900   | 930    | 898    | 906   | 10906  |
| 21-23     | MEAN      | 33.2   | 34.8  | 40.3   | 50.3   | 59.1  | 67.6  | 72.7  | 69.8  | 62.6  | 53.2   | 42.2   | 34.2  | 51.8   |
|           | S.D.      | 9.159  | 8.497 | 8.801  | 8.292  | 6.883 | 6.315 | 5.221 | 5.508 | 7.843 | 8.231  | 9.647  | 9.264 | 16.077 |
|           | TOTAL OBS | 903    | 848   | 930    | 900    | 930   | 900   | 930   | 930   | 900   | 930    | 897    | 906   | 10904  |
| ALL HOURS | MEAN      | 34.5   | 36.5  | 42.0   | 52.7   | 62.2  | 71.4  | 76.5  | 73.7  | 66.5  | 56.7   | 45.0   | 36.1  | 54.7   |
|           | S.D.      | 9.953  | 9.907 | 10.489 | 10.344 | 9.504 | 9.406 | 8.183 | 8.209 | 9.790 | 10.122 | 10.742 | 9.860 | 17.769 |
|           | TOTAL OBS | 7223   | 6790  | 7440   | 7200   | 7440  | 7200  | 7440  | 7440  | 7200  | 7439   | 7195   | 7246  | 87253  |



USAFETAC FORM 0 R 5 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72457 PHILLIPS/ABERDEEN MD

47-57

| DATE      | TIME      | AN     | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV    | DEC   | ANNUAL |
|-----------|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| 10-02     | MEAN      | 30.0   | 31.0  | 35.2  | 44.7  | 53.4  | 62.1  | 67.2  | 69.3  | 58.8  | 49.5  | 39.1   | 31.2  | 47.5   |
|           | STD       | 9.737  | 8.807 | 9.002 | 6.597 | 7.344 | 6.537 | 5.563 | 5.814 | 8.282 | 8.833 | 9.925  | 9.813 | 15.748 |
|           | TOTAL OBS | 932    | 846   | 928   | 900   | 930   | 900   | 930   | 918   | 900   | 930   | 900    | 884   | 10676  |
| 3-05      | MEAN      | 29.4   | 30.1  | 34.1  | 43.4  | 52.2  | 61.1  | 66.1  | 64.3  | 57.7  | 48.3  | 38.1   | 30.5  | 46.4   |
|           | STD       | 10.025 | 9.203 | 9.189 | 8.641 | 7.782 | 6.871 | 5.776 | 6.154 | 8.606 | 9.094 | 10.026 | 9.411 | 15.797 |
|           | TOTAL OBS | 902    | 844   | 930   | 900   | 930   | 900   | 930   | 918   | 897   | 930   | 900    | 892   | 10673  |
| 10-08     | MEAN      | 29.2   | 30.2  | 34.7  | 45.2  | 55.0  | 64.2  | 68.7  | 66.6  | 59.6  | 49.5  | 38.4   | 30.8  | 47.9   |
|           | STD       | 10.149 | 9.450 | 9.253 | 8.325 | 7.293 | 6.415 | 5.186 | 5.637 | 8.238 | 8.963 | 9.981  | 9.871 | 15.565 |
|           | TOTAL OBS | 900    | 844   | 930   | 900   | 930   | 900   | 930   | 918   | 899   | 930   | 900    | 889   | 10670  |
| 9-11      | MEAN      | 32.0   | 34.5  | 39.2  | 49.4  | 58.4  | 67.2  | 71.3  | 69.8  | 63.7  | 54.5  | 43.6   | 35.0  | 51.8   |
|           | STD       | 9.197  | 8.949 | 9.168 | 8.278 | 7.400 | 6.570 | 5.122 | 5.278 | 7.389 | 8.009 | 9.375  | 8.917 | 15.968 |
|           | TOTAL OBS | 903    | 843   | 928   | 899   | 930   | 900   | 929   | 922   | 900   | 930   | 900    | 889   | 10673  |
| 12-14     | MEAN      | 35.3   | 37.6  | 42.2  | 51.8  | 60.4  | 68.6  | 72.3  | 71.2  | 65.1  | 56.6  | 45.9   | 37.6  | 53.0   |
|           | STD       | 9.091  | 8.583 | 9.335 | 8.281 | 7.353 | 6.575 | 5.224 | 5.330 | 7.195 | 7.867 | 9.405  | 8.895 | 15.399 |
|           | TOTAL OBS | 903    | 844   | 927   | 900   | 930   | 899   | 930   | 924   | 900   | 929   | 900    | 892   | 10673  |
| 15-17     | MEAN      | 35.1   | 37.5  | 42.6  | 52.0  | 60.6  | 68.6  | 72.2  | 71.2  | 65.0  | 56.1  | 44.8   | 36.7  | 53.7   |
|           | STD       | 9.049  | 8.358 | 9.221 | 8.140 | 7.283 | 6.312 | 5.065 | 5.110 | 7.003 | 7.809 | 9.293  | 8.802 | 15.445 |
|           | TOTAL OBS | 903    | 845   | 930   | 900   | 929   | 900   | 930   | 924   | 900   | 927   | 900    | 897   | 10685  |
| 14-20     | MEAN      | 32.5   | 34.4  | 39.4  | 49.1  | 58.1  | 66.7  | 70.9  | 69.1  | 62.4  | 52.9  | 41.8   | 33.8  | 51.1   |
|           | STD       | 8.978  | 8.270 | 8.760 | 7.983 | 6.902 | 6.061 | 4.744 | 5.031 | 7.313 | 7.988 | 9.284  | 9.168 | 15.790 |
|           | TOTAL OBS | 903    | 846   | 928   | 900   | 930   | 900   | 930   | 921   | 900   | 930   | 896    | 897   | 10683  |
| 01-23     | MEAN      | 31.0   | 32.4  | 37.0  | 46.5  | 55.4  | 64.0  | 68.8  | 66.8  | 60.0  | 50.6  | 39.7   | 32.2  | 48.9   |
|           | STD       | 9.333  | 8.467 | 8.756 | 8.111 | 7.024 | 6.139 | 5.046 | 5.425 | 7.831 | 8.454 | 9.666  | 9.618 | 15.732 |
|           | TOTAL OBS | 903    | 844   | 927   | 900   | 929   | 899   | 930   | 921   | 900   | 930   | 897    | 897   | 10677  |
| ALL HOURS | MEAN      | 31.9   | 33.5  | 38.0  | 47.8  | 56.7  | 65.3  | 69.7  | 68.1  | 61.5  | 52.2  | 41.4   | 33.5  | 50.1   |
|           | STD       | 9.716  | 9.217 | 9.607 | 8.847 | 7.870 | 6.968 | 5.665 | 6.015 | 8.208 | 8.917 | 10.036 | 9.699 | 16.037 |
|           | TOTAL OBS | 7219   | 6756  | 7428  | 7199  | 7438  | 7198  | 7439  | 7366  | 7156  | 7436  | 7195   | 7147  | 87017  |

USAFETAC FORM 0893 (OLA)



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

724057 PHILLIPS/ABERDEEN MD

47-57

|           | JAN    | FEB    | MAR    | APR    | MAY    | JUN   | JUL   | AUG   | SEP   | OCT    | NOV    | DEC    | ANNUAL |
|-----------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0-02      | 25.6   | 26.6   | 30.5   | 41.1   | 50.9   | 60.4  | 65.6  | 64.1  | 57.4  | 47.3   | 38.0   | 27.0   | 44.5   |
|           | 12.178 | 11.369 | 11.671 | 10.398 | 8.791  | 7.283 | 6.274 | 6.358 | 9.017 | 10.067 | 11.446 | 12.560 | 17.690 |
| TOTAL OBS | 902    | 846    | 928    | 910    | 930    | 900   | 930   | 918   | 900   | 930    | 900    | 894    | 10878  |
| 3-05      | 25.2   | 25.9   | 29.5   | 40.2   | 50.2   | 59.7  | 64.8  | 63.1  | 56.4  | 46.3   | 35.1   | 26.4   | 43.7   |
|           | 12.494 | 11.765 | 11.991 | 10.463 | 9.065  | 7.555 | 6.380 | 6.726 | 9.216 | 10.273 | 11.618 | 12.581 | 17.739 |
| TOTAL OBS | 902    | 844    | 930    | 900    | 930    | 900   | 930   | 918   | 897   | 930    | 900    | 892    | 10873  |
| 6-08      | 25.0   | 25.8   | 30.1   | 41.3   | 51.6   | 61.4  | 66.1  | 64.6  | 57.5  | 47.1   | 35.3   | 26.8   | 44.6   |
|           | 12.657 | 12.117 | 12.137 | 10.148 | 9.184  | 7.450 | 6.188 | 6.543 | 9.149 | 10.139 | 11.662 | 12.210 | 16.163 |
| TOTAL OBS | 900    | 844    | 930    | 900    | 930    | 900   | 930   | 918   | 899   | 930    | 900    | 889    | 10870  |
| 9-11      | 26.1   | 28.2   | 32.4   | 43.2   | 52.5   | 62.2  | 66.3  | 65.4  | 58.9  | 48.8   | 37.9   | 29.3   | 46.2   |
|           | 12.431 | 12.162 | 12.184 | 10.586 | 10.108 | 8.077 | 7.046 | 7.168 | 9.517 | 10.536 | 11.764 | 11.965 | 17.780 |
| TOTAL OBS | 903    | 843    | 928    | 899    | 930    | 900   | 929   | 922   | 900   | 930    | 900    | 889    | 10873  |
| 12-14     | 26.1   | 30.0   | 34.1   | 44.3   | 53.2   | 62.4  | 66.0  | 65.5  | 58.6  | 49.2   | 38.3   | 30.2   | 46.8   |
|           | 12.453 | 11.747 | 12.406 | 10.738 | 10.344 | 8.402 | 7.680 | 7.703 | 9.681 | 10.869 | 12.234 | 12.193 | 17.444 |
| TOTAL OBS | 903    | 844    | 927    | 900    | 930    | 899   | 930   | 924   | 900   | 929    | 900    | 892    | 10878  |
| 15-17     | 26.5   | 30.1   | 34.4   | 44.4   | 53.6   | 62.6  | 66.2  | 65.9  | 59.1  | 49.4   | 38.0   | 30.4   | 47.0   |
|           | 12.834 | 11.351 | 12.372 | 10.669 | 10.283 | 8.265 | 7.513 | 7.374 | 9.331 | 10.537 | 11.758 | 11.842 | 17.330 |
| TOTAL OBS | 903    | 845    | 930    | 900    | 929    | 900   | 930   | 924   | 900   | 927    | 900    | 897    | 10885  |
| 18-20     | 27.0   | 28.5   | 32.9   | 43.2   | 53.2   | 62.7  | 67.0  | 66.1  | 59.5  | 49.3   | 37.3   | 28.7   | 46.5   |
|           | 12.800 | 11.237 | 11.596 | 10.243 | 9.123  | 7.365 | 6.300 | 6.254 | 8.419 | 9.631  | 11.308 | 12.030 | 17.643 |
| TOTAL OBS | 903    | 846    | 928    | 900    | 930    | 900   | 930   | 921   | 900   | 930    | 898    | 897    | 10883  |
| 1-23      | 26.0   | 27.4   | 31.7   | 42.2   | 52.3   | 61.7  | 66.6  | 65.2  | 58.2  | 48.0   | 36.2   | 27.8   | 45.5   |
|           | 12.334 | 11.065 | 11.582 | 10.127 | 8.784  | 7.024 | 5.856 | 6.055 | 8.609 | 9.839  | 11.333 | 12.347 | 17.718 |
| TOTAL OBS | 903    | 844    | 927    | 900    | 929    | 899   | 930   | 921   | 900   | 930    | 897    | 897    | 10877  |
| ALL       | 26.5   | 27.8   | 31.9   | 42.5   | 52.2   | 61.6  | 66.1  | 65.0  | 58.2  | 48.2   | 36.8   | 28.3   | 45.6   |
|           | 12.379 | 11.707 | 12.132 | 10.518 | 9.540  | 7.755 | 6.711 | 6.857 | 9.173 | 10.299 | 11.698 | 12.299 | 17.725 |
| TOTAL OBS | 7219   | 6756   | 7428   | 7199   | 7438   | 7198  | 7439  | 7366  | 7196  | 7436   | 7195   | 7147   | 87017  |

USAFETAC (JLA)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART F

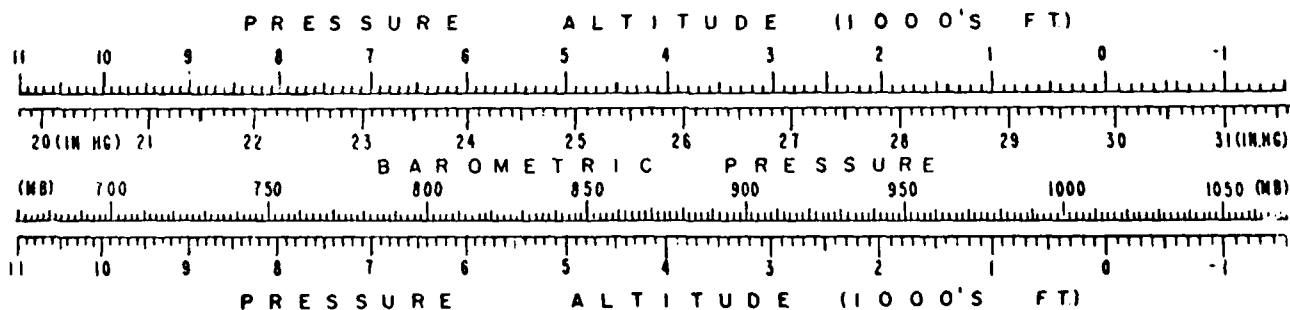
## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

724057 PHILLIPS/ABERDEEN MD

47-57

STATION

STATION NAME

YEARS

| HRS       | ST         | JAN      | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC  | ANNUAL |
|-----------|------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 01        | MEAN       | 30.02730 | 04529 | 94029 | 91929 | 90229 | 89329 | 92329 | 92829 | 99330 | 03029 | 97730 | 032  | 29.967 |
|           | S.D.       | .262     | .275  | .240  | .239  | .177  | .149  | .131  | .132  | .171  | .212  | .220  | .249 | .216   |
|           | TOTAL OBS. | 301      | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 302  | 3636   |
| 04        | MEAN       | 30.02330 | 03829 | 93229 | 91629 | 90129 | 89329 | 92329 | 92429 | 99130 | 02929 | 97730 | 031  | 29.964 |
|           | S.D.       | .271     | .282  | .247  | .243  | .183  | .152  | .134  | .137  | .175  | .214  | .225  | .253 | .221   |
|           | TOTAL OBS. | 301      | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 302  | 3636   |
| 07        | MEAN       | 30.04330 | 06029 | 95929 | 95129 | 93529 | 92229 | 95229 | 95330 | 01830 | 05630 | 00130 | 049  | 29.991 |
|           | S.D.       | .277     | .286  | .257  | .249  | .187  | .153  | .135  | .141  | .178  | .220  | .234  | .257 | .225   |
|           | TOTAL OBS. | 300      | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 302  | 3635   |
| 10        | MEAN       | 30.07130 | 07529 | 96529 | 95629 | 93729 | 92629 | 95929 | 96230 | 02930 | 06530 | 01330 | 068  | 30.002 |
|           | S.D.       | .280     | .292  | .263  | .251  | .189  | .154  | .133  | .137  | .182  | .223  | .240  | .259 | .229   |
|           | TOTAL OBS. | 301      | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 302  | 3636   |
| 13        | MEAN       | 30.01130 | 01929 | 91629 | 91229 | 89929 | 89429 | 92929 | 93029 | 98730 | 00929 | 95730 | 004  | 29.955 |
|           | S.D.       | .272     | .285  | .257  | .247  | .183  | .150  | .132  | .130  | .178  | .223  | .234  | .257 | .223   |
|           | TOTAL OBS. | 301      | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 302  | 3636   |
| 16        | MEAN       | 30.01230 | 00329 | 89029 | 88229 | 87229 | 87029 | 90329 | 90529 | 96229 | 99329 | 95230 | 004  | 29.937 |
|           | S.D.       | .260     | .279  | .251  | .240  | .178  | .147  | .131  | .126  | .177  | .221  | .227  | .252 | .219   |
|           | TOTAL OBS. | 301      | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 300   | 302  | 3636   |
| 19        | MEAN       | 30.04330 | 03229 | 92129 | 90229 | 88329 | 87629 | 90429 | 91229 | 98130 | 01629 | 98030 | 031  | 29.956 |
|           | S.D.       | .255     | .270  | .238  | .234  | .171  | .145  | .128  | .124  | .171  | .217  | .221  | .250 | .216   |
|           | TOTAL OBS. | 301      | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 299   | 302  | 3635   |
| 22        | MEAN       | 30.04830 | 04229 | 94529 | 92629 | 90829 | 89929 | 92429 | 93330 | 00330 | 03429 | 98830 | 034  | 29.973 |
|           | S.D.       | .257     | .271  | .233  | .235  | .169  | .147  | .127  | .126  | .168  | .209  | .222  | .252 | .213   |
|           | TOTAL OBS. | 301      | 283   | 310   | 300   | 310   | 300   | 310   | 310   | 300   | 310   | 299   | 302  | 3635   |
| ALL HOURS | MEAN       | 30.03530 | 03929 | 93329 | 92029 | 90529 | 89729 | 92729 | 93129 | 99630 | 02929 | 98030 | 032  | 29.968 |
|           | S.D.       | .267     | .280  | .249  | .243  | .181  | .151  | .132  | .133  | .176  | .218  | .228  | .254 | .221   |
|           | TOTAL OBS. | 2407     | 2264  | 2480  | 2400  | 2480  | 2400  | 2480  | 2480  | 2400  | 2480  | 2398  | 2416 | 29085  |

USAFETAC FORM 0.89.5 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

724057 PHILLIPS/ABERDEEN MD

47-57

| STATION   | STATION NAME | YEARS | AN  | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------------|-------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 01        |              |       | MEAN 1019.41019.91016.41015.61015.01014.71015.71015.91018.11019.41017.61019.5   |     |     |     |     |     |     |     |     |     |     |     | 1017.2 |
|           |              |       | S.D. 8.947 9.389 8.192 8.124 6.034 5.054 4.497 4.513 5.843 7.217 7.534 8.484    |     |     |     |     |     |     |     |     |     |     |     | 7.385  |
|           |              |       | TOTAL OBS 301 283 310 300 310 300 310 310 300 310 300 310 300 302               |     |     |     |     |     |     |     |     |     |     |     | 3636   |
| 04        |              |       | MEAN 1019.21019.71016.11015.51015.01014.71015.71015.71018.01019.31017.61019.5   |     |     |     |     |     |     |     |     |     |     |     | 1017.1 |
|           |              |       | S.D. 9.244 9.591 8.408 8.256 6.239 5.148 4.570 4.678 5.979 7.309 7.696 8.619    |     |     |     |     |     |     |     |     |     |     |     | 7.540  |
|           |              |       | TOTAL OBS 301 283 310 300 310 300 310 310 300 310 300 310 300 302               |     |     |     |     |     |     |     |     |     |     |     | 3636   |
| 07        |              |       | MEAN 1020.01020.51017.01016.71016.11015.71016.71016.71019.01020.31018.41020.1   |     |     |     |     |     |     |     |     |     |     |     | 1018.1 |
|           |              |       | S.D. 9.432 9.741 8.739 8.456 6.365 5.218 4.606 4.815 6.072 7.490 8.027 8.780    |     |     |     |     |     |     |     |     |     |     |     | 7.679  |
|           |              |       | TOTAL OBS 300 283 310 300 310 300 310 310 300 310 300 310 300 302               |     |     |     |     |     |     |     |     |     |     |     | 3635   |
| 10        |              |       | MEAN 1020.91021.01017.21016.91016.21015.81016.91017.11019.31020.61018.81020.6   |     |     |     |     |     |     |     |     |     |     |     | 1018.4 |
|           |              |       | S.D. 9.537 9.962 8.973 8.521 6.437 5.257 4.561 4.696 6.216 7.606 8.211 8.849    |     |     |     |     |     |     |     |     |     |     |     | 7.822  |
|           |              |       | TOTAL OBS 301 283 310 300 310 300 310 310 300 310 300 310 300 302               |     |     |     |     |     |     |     |     |     |     |     | 3636   |
| 13        |              |       | MEAN 1018.81019.01015.51015.41014.91014.71015.91015.91017.91018.61016.91018.6   |     |     |     |     |     |     |     |     |     |     |     | 1016.8 |
|           |              |       | S.D. 9.293 9.718 8.770 8.378 6.219 5.128 4.514 4.466 6.054 7.586 8.009 8.769    |     |     |     |     |     |     |     |     |     |     |     | 7.596  |
|           |              |       | TOTAL OBS 301 283 310 300 310 300 310 310 300 310 300 310 300 302               |     |     |     |     |     |     |     |     |     |     |     | 3636   |
| 16        |              |       | MEAN 1018.91018.51014.71014.41014.01013.91015.01015.11017.01018.11016.71018.5   |     |     |     |     |     |     |     |     |     |     |     | 1016.2 |
|           |              |       | S.D. 8.870 9.517 8.545 8.162 6.061 5.006 4.481 4.313 6.032 7.509 7.769 8.603    |     |     |     |     |     |     |     |     |     |     |     | 7.482  |
|           |              |       | TOTAL OBS 301 283 310 300 310 300 310 310 300 310 300 310 300 302               |     |     |     |     |     |     |     |     |     |     |     | 3636   |
| 19        |              |       | MEAN 1019.91019.51015.71015.01014.31014.11015.11015.31017.71018.91017.71019.5   |     |     |     |     |     |     |     |     |     |     |     | 1016.9 |
|           |              |       | S.D. 8.684 9.193 8.124 7.952 5.834 4.922 4.368 4.229 5.843 7.378 7.581 8.511    |     |     |     |     |     |     |     |     |     |     |     | 7.362  |
|           |              |       | TOTAL OBS 301 283 310 300 310 300 310 310 300 310 300 310 299 302               |     |     |     |     |     |     |     |     |     |     |     | 3635   |
| 22        |              |       | MEAN 1020.11019.91016.61015.81015.21014.91015.71016.01018.41019.51018.01019.6   |     |     |     |     |     |     |     |     |     |     |     | 1017.5 |
|           |              |       | S.D. 8.753 9.237 7.957 8.008 5.755 5.006 4.340 4.301 5.727 7.130 7.596 8.594    |     |     |     |     |     |     |     |     |     |     |     | 7.286  |
|           |              |       | TOTAL OBS 301 283 310 300 310 300 310 310 300 310 300 310 299 302               |     |     |     |     |     |     |     |     |     |     |     | 3635   |
| ALL HOURS |              |       | MEAN 1019.71019.81016.11015.71015.11014.81015.81016.01018.21019.31017.71019.5   |     |     |     |     |     |     |     |     |     |     |     | 1017.3 |
|           |              |       | S.D. 9.114 9.559 8.495 8.259 6.155 5.123 4.532 4.541 6.002 7.433 7.822 8.667    |     |     |     |     |     |     |     |     |     |     |     | 7.549  |
|           |              |       | TOTAL OBS 2407 2264 2480 2400 2480 2400 2480 2480 2400 2480 2400 2480 2398 2416 |     |     |     |     |     |     |     |     |     |     |     | 29085  |

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